

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG No.: BM061124

Instrument ID: BNA_M Calibration Date/Time: 6/11/2024 1:15:04

Lab File ID: BM045976.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020116 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.571	0.523	0.010	-8.4771	40.0
Benzaldehyde	0.799	0.876	0.010	9.5897	40.0
Pyridine	1.364	1.320	0.010	-3.2541	40.0
Phenol	1.762	1.771	0.080	0.5032	20.0
Bis(2-Chloroethyl) ether	1.471	1.468	0.100	-0.2221	20.0
2-Chlorophenol	1.337	1.319	0.200	-1.3147	20.0
2-Methylphenol	1.290	1.308	0.010	1.3568	20.0
2,2-oxybis(1-Chloropropane)	2.897	3.320	0.010	14.5994	40.0
Acetophenone	2.139	2.361	0.060	10.3834	20.0
4-Methylphenol	1.335	1.450	0.010	8.632	20.0
N-Nitroso-di-n-propylamine	1.182	1.409	0.050	19.1652	30.0
Hexachloroethane	0.642	0.618	0.100	-3.7664	20.0
Nitrobenzene	0.438	0.457	0.050	4.3619	25.0
Isophorone	0.773	0.843	0.050	9.0656	25.0
2-Nitrophenol	0.173	0.171	0.050	-1.0	25.0
2,4-Dimethylphenol	0.351	0.365	0.050	3.9022	25.0
Bis(2-Chloroethoxy) methane	0.469	0.455	0.050	-3.1402	20.0
2,4-Dichlorophenol	0.296	0.299	0.060	1.0456	20.0
Naphthalene	1.066	1.050	0.200	-1.5034	20.0
4-Chloroaniline	0.401	0.420	0.010	4.6816	40.0
Hexachlorobutadiene	0.203	0.190	0.040	-5.9789	30.0
Caprolactam	0.083	0.105	0.010	26.1113	40.0
4-Chloro-3-methylphenol	0.321	0.356	0.040	10.8931	25.0
1-Methylnaphthalene	0.706	0.722	0.100	2.1841	20.0
2-Methylnaphthalene	0.706	0.708	0.100	0.2503	20.0
Hexachlorocyclopentadiene	0.364	0.286	0.010	-21.2494	40.0
2,4,6-Trichlorophenol	0.348	0.341	0.090	-2.0923	25.0
2,4,5-Trichlorophenol	0.378	0.373	0.100	-1.458	25.0
1,1-Biphenyl	1.484	1.355	0.200	-8.6972	20.0
2-Chloronaphthalene	1.163	1.068	0.300	-8.1723	20.0
2-Nitroaniline	0.397	0.450	0.050	13.2812	40.0
Dimethylphthalate	1.406	1.445	0.300	2.7752	20.0
2,6-Dinitrotoluene	0.270	0.279	0.080	3.2411	30.0
Acenaphthylene	1.861	1.841	0.400	-1.0667	20.0
3-Nitroaniline	0.248	0.274	0.010	10.2252	40.0
Acenaphthene	1.242	1.229	0.200	-1.051	20.0
2,4-Dinitrophenol	0.123	0.126	0.010	2.3184	40.0
4-Nitrophenol	0.247	0.315	0.010	27.7353	40.0
Dibenzofuran	1.675	1.697	0.300	1.3517	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG No.: BM061124

Instrument ID: BNA_M Calibration Date/Time: 6/11/2024 1:15:04

Lab File ID: BM045976.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020116 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.374	0.431	0.070	15.1957	30.0
Diethylphthalate	1.408	1.522	0.300	8.0996	20.0
Fluorene	1.349	1.443	0.200	6.9315	20.0
4-Chlorophenyl-phenylether	0.670	0.689	0.100	2.9207	20.0
4-Nitroaniline	0.206	0.270	0.010	30.8594	40.0
4,6-Dinitro-2-methylphenol	0.112	0.111	0.010	-0.5473	40.0
N-Nitrosodiphenylamine	0.567	0.533	0.050	-5.9357	20.0
1,2,4,5-Tetrachlorobenzene	0.599	0.528	0.100	-11.8385	20.0
4-Bromophenyl-phenylether	0.209	0.190	0.070	-8.6559	20.0
Hexachlorobenzene	0.231	0.222	0.050	-3.5881	25.0
Atrazine	0.172	0.164	0.010	-4.6917	25.0
Pentachlorophenol	0.117	0.127	0.010	8.1287	40.0
Phenanthrene	1.054	1.066	0.200	1.1788	20.0
Pentachlorobenzene	0.290	0.250	0.050	-13.7945	20.0
Anthracene	1.053	1.088	0.200	3.3719	20.0
1,2,3,4-Tetrachlorobenzene	0.310	0.242	0.050	-21.9832	20.0
Carbazole	0.898	0.998	0.050	11.0904	40.0
Di-n-butylphthalate	1.181	1.225	0.500	3.6936	25.0
Fluoranthene	1.508	1.173	0.400	-22.2276	25.0
Pyrene	1.549	1.249	0.400	-19.3743	25.0
Butylbenzylphthalate	0.631	0.532	0.100	-15.7287	40.0
3,3-Dichlorobenzidine	0.395	0.389	0.010	-1.6282	40.0
Benzo (a) anthracene	1.381	1.324	0.300	-4.0986	30.0
Chrysene	1.278	1.225	0.200	-4.1247	30.0
Bis(2-ethylhexyl)phthalate	0.938	0.823	0.200	-12.2617	40.0
Di-n-octyl phthalate	1.530	1.203	0.010	-21.3451	40.0
Benzo (b) fluoranthene	1.229	1.143	0.200	-7.0394	25.0
Benzo (k) fluoranthene	1.201	1.165	0.200	-2.9554	25.0
Benzo (a) pyrene	1.080	1.091	0.200	1.0216	20.0
Indeno (1,2,3-cd) pyrene	1.179	1.242	0.200	5.2847	25.0
Dibenzo (a,h) anthracene	0.933	1.031	0.200	10.4867	30.0
Benzo (g,h,i) perylene	1.039	1.002	0.200	-3.5881	30.0
2,3,4,6-Tetrachlorophenol	0.286	0.336	0.040	17.5855	20.0
1,4-Dioxane-d8	0.516	0.463	0.010	-10.212	25.0
Pyridine-d5	1.328	1.311	0.010	-1.3284	40.0
Phenol-d5	1.699	1.692	0.010	-0.4411	25.0
Bis- (2-Chloroethyl) ether-d8	1.220	1.240	0.050	1.6044	25.0
2-Chlorophenol-d4	1.269	1.248	0.200	-1.6616	20.0
4-Methylphenol-d8	1.284	1.332	0.010	3.7461	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG No.: BM061124
 Instrument ID: BNA_M Calibration Date/Time: 6/11/2024 1:15:04
 Lab File ID: BM045976.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020116 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.156	0.145	0.050	-7.1063	20.0
2-Nitrophenol-d4	0.158	0.154	0.050	-2.7322	30.0
2,4-Dichlorophenol-d3	0.297	0.298	0.060	0.5067	20.0
4-Chloroaniline-d4	0.411	0.430	0.010	4.7161	40.0
Dimethylphthalate-d6	1.385	1.404	0.300	1.3986	20.0
Acenaphthylene-d8	1.608	1.567	0.400	-2.5085	20.0
4-Nitrophenol-d4	0.299	0.332	0.010	11.1861	40.0
Fluorene-d10	1.181	1.214	0.100	2.7939	20.0
4,6-Dinitro-2-methylphenol-d2	0.102	0.103	0.010	0.3646	40.0
Anthracene-d10	0.869	0.877	0.300	0.8287	20.0
Pyrene-d10	1.244	0.990	0.300	-20.3911	25.0
Benzo(a)pyrene-d12	0.935	0.925	0.010	-1.0122	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG No.: BM061124

Instrument ID: BNA_M Calibration Date/Time: 6/12/2024 1:00:54

Lab File ID: BM045990.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020117 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.571	0.477	0.010	-16.409	50.0
Benzaldehyde	0.799	0.917	0.010	14.7616	50.0
Pyridine	1.364	1.373	0.010	0.6201	50.0
Phenol	1.762	1.775	0.080	0.7249	50.0
Bis(2-Chloroethyl)ether	1.471	1.415	0.100	-3.803	50.0
2-Chlorophenol	1.337	1.321	0.200	-1.1829	50.0
2-Methylphenol	1.290	1.318	0.010	2.122	50.0
2,2-oxybis(1-Chloropropane)	2.897	3.171	0.010	9.4716	50.0
Acetophenone	2.139	2.314	0.060	8.1858	50.0
4-Methylphenol	1.335	1.493	0.010	11.8237	50.0
N-Nitroso-di-n-propylamine	1.182	1.334	0.050	12.8292	50.0
Hexachloroethane	0.642	0.629	0.100	-2.0436	50.0
Nitrobenzene	0.438	0.453	0.050	3.5087	50.0
Isophorone	0.773	0.811	0.050	4.8469	50.0
2-Nitrophenol	0.173	0.172	0.050	-0.8331	50.0
2,4-Dimethylphenol	0.351	0.363	0.050	3.5375	50.0
Bis(2-Chloroethoxy)methane	0.469	0.448	0.050	-4.4952	50.0
2,4-Dichlorophenol	0.296	0.305	0.060	3.2382	50.0
Naphthalene	1.066	1.042	0.200	-2.253	50.0
4-Chloroaniline	0.401	0.417	0.010	3.8312	50.0
Hexachlorobutadiene	0.203	0.190	0.040	-6.1517	50.0
Caprolactam	0.083	0.101	0.010	21.0258	50.0
4-Chloro-3-methylphenol	0.321	0.358	0.040	11.4934	50.0
1-Methylnaphthalene	0.706	0.720	0.100	2.009	50.0
2-Methylnaphthalene	0.706	0.711	0.100	0.6794	50.0
Hexachlorocyclopentadiene	0.364	0.266	0.010	-26.8437	50.0
2,4,6-Trichlorophenol	0.348	0.360	0.090	3.2466	50.0
2,4,5-Trichlorophenol	0.378	0.401	0.100	5.962	50.0
1,1-Biphenyl	1.484	1.379	0.200	-7.0513	50.0
2-Chloronaphthalene	1.163	1.096	0.300	-5.7528	50.0
2-Nitroaniline	0.397	0.455	0.050	14.5081	50.0
Dimethylphthalate	1.406	1.406	0.300	0.0119	50.0
2,6-Dinitrotoluene	0.270	0.285	0.080	5.3286	50.0
Acenaphthylene	1.861	1.855	0.400	-0.3184	50.0
3-Nitroaniline	0.248	0.293	0.010	18.053	50.0
Acenaphthene	1.242	1.233	0.200	-0.7306	50.0
2,4-Dinitrophenol	0.123	0.120	0.010	-2.9624	50.0
4-Nitrophenol	0.247	0.316	0.010	28.1377	50.0
Dibenzofuran	1.675	1.700	0.300	1.5206	50.0

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG No.: BM061124

Instrument ID: BNA_M Calibration Date/Time: 6/12/2024 1:00:54

Lab File ID: BM045990.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020117 Init. Calib. Time(s): _____

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.374	0.437	0.070	16.7381	50.0
Diethylphthalate	1.408	1.476	0.300	4.8515	50.0
Fluorene	1.349	1.437	0.200	6.5189	50.0
4-Chlorophenyl-phenylether	0.670	0.684	0.100	2.1107	50.0
4-Nitroaniline	0.206	0.290	0.010	40.6095	50.0
4,6-Dinitro-2-methylphenol	0.112	0.105	0.010	-6.3968	50.0
N-Nitrosodiphenylamine	0.567	0.530	0.050	-6.4145	50.0
1,2,4,5-Tetrachlorobenzene	0.599	0.551	0.100	-7.9924	50.0
4-Bromophenyl-phenylether	0.209	0.189	0.070	-9.2726	50.0
Hexachlorobenzene	0.231	0.218	0.050	-5.6555	50.0
Atrazine	0.172	0.158	0.010	-8.1375	50.0
Pentachlorophenol	0.117	0.132	0.010	12.9175	50.0
Phenanthrene	1.054	1.049	0.200	-0.4132	50.0
Pentachlorobenzene	0.290	0.257	0.050	-11.2986	50.0
Anthracene	1.053	1.080	0.200	2.5846	50.0
1,2,3,4-Tetrachlorobenzene	0.310	0.257	0.050	-17.0907	50.0
Carbazole	0.898	0.978	0.050	8.8936	50.0
Di-n-butylphthalate	1.181	1.172	0.500	-0.766	50.0
Fluoranthene	1.508	1.252	0.400	-16.9797	50.0
Pyrene	1.549	1.324	0.400	-14.5288	50.0
Butylbenzylphthalate	0.631	0.545	0.100	-13.7283	50.0
3,3-Dichlorobenzidine	0.395	0.369	0.010	-6.5491	50.0
Benzo (a) anthracene	1.381	1.344	0.300	-2.6877	50.0
Chrysene	1.278	1.239	0.200	-2.9774	50.0
Bis(2-ethylhexyl)phthalate	0.938	0.830	0.200	-11.5702	50.0
Di-n-octyl phthalate	1.530	1.338	0.010	-12.547	50.0
Benzo (b) fluoranthene	1.229	1.198	0.200	-2.5091	50.0
Benzo (k) fluoranthene	1.201	1.194	0.200	-0.5126	50.0
Benzo (a) pyrene	1.080	1.094	0.200	1.3086	50.0
Indeno (1,2,3-cd) pyrene	1.179	1.181	0.200	0.1256	50.0
Dibenzo (a,h) anthracene	0.933	0.981	0.200	5.1236	50.0
Benzo (g,h,i) perylene	1.039	0.942	0.200	-9.3194	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.347	0.040	21.506	50.0
1,4-Dioxane-d8	0.516	0.413	0.010	-19.9298	50.0
Pyridine-d5	1.328	1.197	0.010	-9.8907	50.0
Phenol-d5	1.699	1.712	0.010	0.7727	50.0
Bis- (2-Chloroethyl) ether-d8	1.220	1.218	0.050	-0.1646	50.0
2-Chlorophenol-d4	1.269	1.250	0.200	-1.5026	50.0
4-Methylphenol-d8	1.284	1.346	0.010	4.8233	50.0

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Lab Name: CHEMTECH Contract: _____
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 Instrument ID: BNA_M Calibration Date/Time: 6/12/2024 1:00:54
 Lab File ID: BM045990.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020117 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.156	0.152	0.050	-3.009	50.0
2-Nitrophenol-d4	0.158	0.161	0.050	1.8024	50.0
2,4-Dichlorophenol-d3	0.297	0.306	0.060	2.9395	50.0
4-Chloroaniline-d4	0.411	0.429	0.010	4.414	50.0
Dimethylphthalate-d6	1.385	1.372	0.300	-0.8982	50.0
Acenaphthylene-d8	1.608	1.597	0.400	-0.6579	50.0
4-Nitrophenol-d4	0.299	0.341	0.010	14.1851	50.0
Fluorene-d10	1.181	1.223	0.100	3.5562	50.0
4,6-Dinitro-2-methylphenol-d2	0.102	0.096	0.010	-6.1994	50.0
Anthracene-d10	0.869	0.869	0.300	-0.0394	50.0
Pyrene-d10	1.244	1.041	0.300	-16.2644	50.0
Benzo(a)pyrene-d12	0.935	0.936	0.010	0.1808	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SBLK248	SDG No.:	BM061124
Lab Sample ID:	PB161248BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045977.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SBLK248	SDG No.:	BM061124
Lab Sample ID:	PB161248BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045977.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SBLK248	SDG No.:	BM061124
Lab Sample ID:	PB161248BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045977.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.719		15-120		84	SPK: -8
7291-22-7	Pyridine-d5	29.821		20-120		75	SPK: -40
4165-62-2	Phenol-d5	33.294		10-130		83	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	36.211		10-150		91	SPK: -40
93951-73-6	2-Chlorophenol-d4	35.057		15-120		88	SPK: -40
190780-66-6	4-Methylphenol-d8	34.84		10-140		87	SPK: -40
4165-60-0	Nitrobenzene-d5	33.135		10-135		83	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.828		10-120		82	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.64		10-140		77	SPK: -40
191656-33-4	4-Chloroaniline-d4	35.215		1-145		88	SPK: -40
85448-30-2	Dimethylphthalate-d6	37.411		10-145		94	SPK: -40
93951-97-4	Acenaphthylene-d8	34.075		15-120		85	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.507		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	35.474		20-140		89	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SBLK248	SDG No.:	BM061124
Lab Sample ID:	PB161248BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045977.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.827		10-130		67	SPK: -40
1719-06-8	Anthracene-d10	36.101		10-150		90	SPK: -40
1718-52-1	Pyrene-d10	29.441		10-130		74	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.325		10-140		91	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85617	7.439				
1146-65-2	Naphthalene-d8	372814	10.21				
15067-26-2	Acenaphthene-d10	254923	14.086				
1517-22-2	Phenanthrene-d10	559486	16.833				
1719-03-5	Chrysene-d12	580146	21.044				
1520-96-3	Perylene-d12	677290	23.75				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH0	SDG No.:	BM061124
Lab Sample ID:	P2642-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045978.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	18	U	18	9.3	94	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	470	ug/Kg
110-86-1	Pyridine	61	U	61	230	470	ug/Kg
108-95-2	Phenol	49	U	49	120	470	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	48	U	48	120	470	ug/Kg
95-57-8	2-Chlorophenol	40	U	40	60.1	240	ug/Kg
95-48-7	2-Methylphenol	42	U	42	120	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38	U	38	120	470	ug/Kg
98-86-2	Acetophenone	54	U	54	120	470	ug/Kg
106-44-5	4-Methylphenol	45	U	45	120	470	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	41	U	41	60.1	240	ug/Kg
67-72-1	Hexachloroethane	33	U	33	60.1	240	ug/Kg
98-95-3	Nitrobenzene	51	U	51	60.1	240	ug/Kg
78-59-1	Isophorone	48	U	48	60.1	240	ug/Kg
88-75-5	2-Nitrophenol	45	U	45	60.1	240	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	60.1	240	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	60.1	240	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	60.1	240	ug/Kg
91-20-3	Naphthalene	48	U	48	60.1	240	ug/Kg
106-47-8	4-Chloroaniline	61	U	61	60.1	470	ug/Kg
87-68-3	Hexachlorobutadiene	48	U	48	60.1	240	ug/Kg
105-60-2	Caprolactam	170	U	170	120	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40	U	40	60.1	240	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	60.1	240	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	60.1	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	61	U	61	60.1	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59	U	59	60.1	240	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH0	SDG No.:	BM061124
Lab Sample ID:	P2642-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045978.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	68	U	68	60.1	240	ug/Kg
91-58-7	2-Chloronaphthalene	64	U	64	60.1	240	ug/Kg
88-74-4	2-Nitroaniline	31	U	31	60.1	240	ug/Kg
131-11-3	Dimethylphthalate	59	U	59	60.1	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	30	U	30	60.1	240	ug/Kg
208-96-8	Acenaphthylene	61	U	61	60.1	240	ug/Kg
99-09-2	3-Nitroaniline	28	U	28	120	470	ug/Kg
83-32-9	Acenaphthene	58	U	58	60.1	240	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	470	ug/Kg
100-02-7	4-Nitrophenol	58	U	58	120	470	ug/Kg
132-64-9	Dibenzofuran	65	U	65	60.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	38	U	38	60.1	240	ug/Kg
84-66-2	Diethylphthalate	85	U	85	60.1	240	ug/Kg
86-73-7	Fluorene	64	U	64	60.1	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66	U	66	60.1	240	ug/Kg
100-01-6	4-Nitroaniline	59	U	59	120	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	470	ug/Kg
86-30-6	N-Nitrosodiphenylamine	59	U	59	60.1	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	72	U	72	60.1	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	60.1	240	ug/Kg
118-74-1	Hexachlorobenzene	71	U	71	60.1	240	ug/Kg
1912-24-9	Atrazine	55	U	55	120	470	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	120	470	ug/Kg
85-01-8	Phenanthrene	210	J	62	60.1	240	ug/Kg
608-93-5	Pentachlorobenzene	72	U	72	60.1	240	ug/Kg
120-12-7	Anthracene	61	U	61	60.1	240	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	47	U	47	60.1	240	ug/Kg
86-74-8	Carbazole	64	U	64	120	470	ug/Kg
84-74-2	Di-n-butylphthalate	59	U	59	60.1	240	ug/Kg
206-44-0	Fluoranthene	190	J	62	120	240	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH0	SDG No.:	BM061124
Lab Sample ID:	P2642-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045978.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	180	J	62	60.1	240	ug/Kg
85-68-7	Butylbenzylphthalate	45	U	45	60.1	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	33	U	33	120	470	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	55	60.1	240	ug/Kg
218-01-9	Chrysene	110	J	64	60.1	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62	U	62	60.1	240	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	120	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	59	60.1	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	64	U	64	60.1	240	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	59	60.1	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57	J	52	60.1	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52	U	52	60.1	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65	J	49	60.1	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	60.1	240	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.76		15-120		60	SPK: -8
7291-22-7	Pyridine-d5	20.962		20-120		52	SPK: -40
4165-62-2	Phenol-d5	26.505		10-130		66	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.661		10-150		67	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.511		15-120		66	SPK: -40
190780-66-6	4-Methylphenol-d8	29.677		10-140		74	SPK: -40
4165-60-0	Nitrobenzene-d5	25.742		10-135		64	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.205		10-120		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.961		10-140		67	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.519		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.455		10-145		79	SPK: -40
93951-97-4	Acenaphthylene-d8	29.749		15-120		74	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.477		10-150		56	SPK: -40
81103-79-9	Fluorene-d10	31.617		20-140		79	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH0	SDG No.:	BM061124
Lab Sample ID:	P2642-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045978.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	22.122		10-130		55	SPK: -40
1719-06-8	Anthracene-d10	31.004		10-150		78	SPK: -40
1718-52-1	Pyrene-d10	24.376		10-130		61	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.367		10-140		78	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91054	7.439				
1146-65-2	Naphthalene-d8	399674	10.21				
15067-26-2	Acenaphthene-d10	263029	14.086				
1517-22-2	Phenanthrene-d10	588039	16.827				
1719-03-5	Chrysene-d12	682732	21.039				
1520-96-3	Perylene-d12	822496	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	230	J			17.762	
E966796	Total Alkanes	68	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B32	SDG No.:	BM061124
Lab Sample ID:	P2642-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	37.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045979.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	10.5	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	130	530	ug/Kg
110-86-1	Pyridine	68	U	68	260	530	ug/Kg
108-95-2	Phenol	56	U	56	130	530	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	54	U	54	130	530	ug/Kg
95-57-8	2-Chlorophenol	45	U	45	67.7	270	ug/Kg
95-48-7	2-Methylphenol	48	U	48	130	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	43	U	43	130	530	ug/Kg
98-86-2	Acetophenone	61	U	61	130	530	ug/Kg
106-44-5	4-Methylphenol	51	U	51	130	530	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	46	U	46	67.7	270	ug/Kg
67-72-1	Hexachloroethane	37	U	37	67.7	270	ug/Kg
98-95-3	Nitrobenzene	57	U	57	67.7	270	ug/Kg
78-59-1	Isophorone	54	U	54	67.7	270	ug/Kg
88-75-5	2-Nitrophenol	51	U	51	67.7	270	ug/Kg
105-67-9	2,4-Dimethylphenol	45	U	45	67.7	270	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	61	U	61	67.7	270	ug/Kg
120-83-2	2,4-Dichlorophenol	62	U	62	67.7	270	ug/Kg
91-20-3	Naphthalene	54	U	54	67.7	270	ug/Kg
106-47-8	4-Chloroaniline	68	U	68	67.7	530	ug/Kg
87-68-3	Hexachlorobutadiene	54	U	54	67.7	270	ug/Kg
105-60-2	Caprolactam	190	U	190	130	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45	U	45	67.7	270	ug/Kg
90-12-0	1-Methylnaphthalene	65	U	65	67.7	270	ug/Kg
91-57-6	2-Methylnaphthalene	59	U	59	67.7	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	130	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	68	U	68	67.7	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	67	U	67	67.7	270	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B32	SDG No.:	BM061124
Lab Sample ID:	P2642-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	37.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045979.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	76	U	76	67.7	270	ug/Kg
91-58-7	2-Chloronaphthalene	72	U	72	67.7	270	ug/Kg
88-74-4	2-Nitroaniline	35	U	35	67.7	270	ug/Kg
131-11-3	Dimethylphthalate	67	U	67	67.7	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	33	U	33	67.7	270	ug/Kg
208-96-8	Acenaphthylene	68	U	68	67.7	270	ug/Kg
99-09-2	3-Nitroaniline	32	U	32	130	530	ug/Kg
83-32-9	Acenaphthene	65	U	65	67.7	270	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	130	530	ug/Kg
100-02-7	4-Nitrophenol	65	U	65	130	530	ug/Kg
132-64-9	Dibenzofuran	73	U	73	67.7	270	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	67.7	270	ug/Kg
84-66-2	Diethylphthalate	96	U	96	67.7	270	ug/Kg
86-73-7	Fluorene	72	U	72	67.7	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	75	U	75	67.7	270	ug/Kg
100-01-6	4-Nitroaniline	67	U	67	130	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25	U	25	130	530	ug/Kg
86-30-6	N-Nitrosodiphenylamine	67	U	67	67.7	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	81	U	81	67.7	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72	U	72	67.7	270	ug/Kg
118-74-1	Hexachlorobenzene	80	U	80	67.7	270	ug/Kg
1912-24-9	Atrazine	62	U	62	130	530	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	130	530	ug/Kg
85-01-8	Phenanthrene	310		70	67.7	270	ug/Kg
608-93-5	Pentachlorobenzene	81	U	81	67.7	270	ug/Kg
120-12-7	Anthracene	68	U	68	67.7	270	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	53	U	53	67.7	270	ug/Kg
86-74-8	Carbazole	72	U	72	130	530	ug/Kg
84-74-2	Di-n-butylphthalate	67	U	67	67.7	270	ug/Kg
206-44-0	Fluoranthene	390		70	130	270	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B32	SDG No.:	BM061124
Lab Sample ID:	P2642-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	37.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045979.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	300		70	67.7	270	ug/Kg
85-68-7	Butylbenzylphthalate	51	U	51	67.7	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37	U	37	130	530	ug/Kg
56-55-3	Benzo(a)anthracene	210	J	62	67.7	270	ug/Kg
218-01-9	Chrysene	250	J	72	67.7	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75	J	70	67.7	270	ug/Kg
117-84-0	Di-n-octyl phthalate	54	U	54	130	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		67	67.7	270	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	72	67.7	270	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	67	67.7	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	59	67.7	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	59	U	59	67.7	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56	U	56	67.7	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59	U	59	67.7	270	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.025		15-120		63	SPK: -8
7291-22-7	Pyridine-d5	6.321	*	20-120		16	SPK: -40
4165-62-2	Phenol-d5	30.852		10-130		77	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	33.33		10-150		83	SPK: -40
93951-73-6	2-Chlorophenol-d4	32.103		15-120		80	SPK: -40
190780-66-6	4-Methylphenol-d8	32.51		10-140		81	SPK: -40
4165-60-0	Nitrobenzene-d5	31.543		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.817		10-120		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.637		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.838		1-145		60	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.87		10-145		85	SPK: -40
93951-97-4	Acenaphthylene-d8	33.262		15-120		83	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.878		10-150		47	SPK: -40
81103-79-9	Fluorene-d10	34.785		20-140		87	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B32	SDG No.:	BM061124
Lab Sample ID:	P2642-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	37.2
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045979.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.169		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	34.401		10-150		86	SPK: -40
1718-52-1	Pyrene-d10	25.062		10-130		63	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.617		10-140		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80228	7.44				
1146-65-2	Naphthalene-d8	357236	10.21				
15067-26-2	Acenaphthene-d10	241676	14.086				
1517-22-2	Phenanthrene-d10	534519	16.827				
1719-03-5	Chrysene-d12	635126	21.039				
1520-96-3	Perylene-d12	765442	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	370	J			17.762	
032598-12-2	1,1-Biphenyl, 2,4,4,6-tetrachlor	130	J			18.774	
	(DEL) Alkane: Straight-Chain20.756	240	J			20.756	
	(DEL) Alkane: Straight-Chain21.739	170	J			21.739	
	(DEL) Alkane: Straight-Chain24.627	450	J			24.627	
E966796	Total Alkanes	860				99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B36	SDG No.:	BM061124
Lab Sample ID:	P2642-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	25.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045980.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	17	U	17	8.8	89	ug/Kg
100-52-7	Benzaldehyde	100	U	100	110	440	ug/Kg
110-86-1	Pyridine	57	U	57	220	440	ug/Kg
108-95-2	Phenol	47	U	47	110	440	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	45	U	45	110	440	ug/Kg
95-57-8	2-Chlorophenol	37	U	37	56.8	230	ug/Kg
95-48-7	2-Methylphenol	40	U	40	110	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	36	U	36	110	440	ug/Kg
98-86-2	Acetophenone	51	U	51	110	440	ug/Kg
106-44-5	4-Methylphenol	43	U	43	110	440	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	39	U	39	56.8	230	ug/Kg
67-72-1	Hexachloroethane	31	U	31	56.8	230	ug/Kg
98-95-3	Nitrobenzene	48	U	48	56.8	230	ug/Kg
78-59-1	Isophorone	45	U	45	56.8	230	ug/Kg
88-75-5	2-Nitrophenol	43	U	43	56.8	230	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	37	56.8	230	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	51	U	51	56.8	230	ug/Kg
120-83-2	2,4-Dichlorophenol	52	U	52	56.8	230	ug/Kg
91-20-3	Naphthalene	45	U	45	56.8	230	ug/Kg
106-47-8	4-Chloroaniline	57	U	57	56.8	440	ug/Kg
87-68-3	Hexachlorobutadiene	45	U	45	56.8	230	ug/Kg
105-60-2	Caprolactam	160	U	160	110	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	37	U	37	56.8	230	ug/Kg
90-12-0	1-Methylnaphthalene	55	U	55	56.8	230	ug/Kg
91-57-6	2-Methylnaphthalene	49	U	49	56.8	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	110	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	57	U	57	56.8	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56	U	56	56.8	230	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B36	SDG No.:	BM061124
Lab Sample ID:	P2642-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	25.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045980.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	64	U	64	56.8	230	ug/Kg
91-58-7	2-Chloronaphthalene	60	U	60	56.8	230	ug/Kg
88-74-4	2-Nitroaniline	29	U	29	56.8	230	ug/Kg
131-11-3	Dimethylphthalate	56	U	56	56.8	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	28	U	28	56.8	230	ug/Kg
208-96-8	Acenaphthylene	57	U	57	56.8	230	ug/Kg
99-09-2	3-Nitroaniline	27	U	27	110	440	ug/Kg
83-32-9	Acenaphthene	55	U	55	56.8	230	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	110	440	ug/Kg
100-02-7	4-Nitrophenol	55	U	55	110	440	ug/Kg
132-64-9	Dibenzofuran	61	U	61	56.8	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	36	U	36	56.8	230	ug/Kg
84-66-2	Diethylphthalate	80	U	80	56.8	230	ug/Kg
86-73-7	Fluorene	60	U	60	56.8	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63	U	63	56.8	230	ug/Kg
100-01-6	4-Nitroaniline	56	U	56	110	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21	U	21	110	440	ug/Kg
86-30-6	N-Nitrosodiphenylamine	56	U	56	56.8	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	68	U	68	56.8	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	60	U	60	56.8	230	ug/Kg
118-74-1	Hexachlorobenzene	67	U	67	56.8	230	ug/Kg
1912-24-9	Atrazine	52	U	52	110	440	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	110	440	ug/Kg
85-01-8	Phenanthrene	59	U	59	56.8	230	ug/Kg
608-93-5	Pentachlorobenzene	68	U	68	56.8	230	ug/Kg
120-12-7	Anthracene	57	U	57	56.8	230	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	44	U	44	56.8	230	ug/Kg
86-74-8	Carbazole	60	U	60	110	440	ug/Kg
84-74-2	Di-n-butylphthalate	56	U	56	56.8	230	ug/Kg
206-44-0	Fluoranthene	59	U	59	110	230	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B36	SDG No.:	BM061124
Lab Sample ID:	P2642-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	25.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045980.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	59	U	59	56.8	230	ug/Kg
85-68-7	Butylbenzylphthalate	43	U	43	56.8	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	31	U	31	110	440	ug/Kg
56-55-3	Benzo(a)anthracene	52	U	52	56.8	230	ug/Kg
218-01-9	Chrysene	60	U	60	56.8	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59	U	59	56.8	230	ug/Kg
117-84-0	Di-n-octyl phthalate	45	U	45	110	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	56	U	56	56.8	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	60	U	60	56.8	230	ug/Kg
50-32-8	Benzo(a)pyrene	56	U	56	56.8	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49	U	49	56.8	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	49	U	49	56.8	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	47	U	47	56.8	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49	U	49	56.8	230	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.181		15-120		40	SPK: -8
7291-22-7	Pyridine-d5	13.053		20-120		33	SPK: -40
4165-62-2	Phenol-d5	19.283		10-130		48	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.574		10-150		49	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.766		15-120		49	SPK: -40
190780-66-6	4-Methylphenol-d8	21.544		10-140		54	SPK: -40
4165-60-0	Nitrobenzene-d5	18.378		10-135		46	SPK: -40
93951-78-1	2-Nitrophenol-d4	19.093		10-120		48	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.075		10-140		48	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.387		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.917		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	21.903		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.747		10-150		37	SPK: -40
81103-79-9	Fluorene-d10	23.194		20-140		58	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B36	SDG No.:	BM061124
Lab Sample ID:	P2642-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	25.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045980.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.384		10-130		36	SPK: -40
1719-06-8	Anthracene-d10	22.365		10-150		56	SPK: -40
1718-52-1	Pyrene-d10	18.579		10-130		46	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.088		10-140		58	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97716	7.439				
1146-65-2	Naphthalene-d8	439646	10.21				
15067-26-2	Acenaphthene-d10	293267	14.086				
1517-22-2	Phenanthrene-d10	647824	16.833				
1719-03-5	Chrysene-d12	717114	21.039				
1520-96-3	Perylene-d12	852703	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	180	J			17.762	
000106-11-6	Octadecanoic acid, 2-(2-hydroxyeth	90	J			19.05	
E966796	Total Alkanes	64	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B37	SDG No.:	BM061124
Lab Sample ID:	P2642-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045981.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.4	75	ug/Kg
110-86-1	Pyridine	48	U	48	180	370	ug/Kg
100-52-7	Benzaldehyde	84	U	84	92.4	370	ug/Kg
108-95-2	Phenol	39	U	39	92.4	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	92.4	370	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	47.6	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	92.4	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	92.4	370	ug/Kg
98-86-2	Acetophenone	43	U	43	92.4	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	92.4	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	47.6	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.6	190	ug/Kg
98-95-3	Nitrobenzene	40	U	40	47.6	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.6	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	47.6	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	47.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	47.6	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.6	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.6	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.6	190	ug/Kg
105-60-2	Caprolactam	130	U	130	92.4	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	47.6	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	47.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88	U	88	92.4	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.6	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B37	SDG No.:	BM061124
Lab Sample ID:	P2642-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045981.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	54	U	54	47.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	47.6	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	47.6	190	ug/Kg
131-11-3	Dimethylphthalate	47	U	47	47.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	47.6	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.6	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	92.4	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	92.4	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	92.4	370	ug/Kg
132-64-9	Dibenzofuran	52	U	52	47.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.6	190	ug/Kg
84-66-2	Diethylphthalate	67	U	67	47.6	190	ug/Kg
86-73-7	Fluorene	50	U	50	47.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	47.6	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	92.4	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	92.4	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	47.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	47.6	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.6	190	ug/Kg
1912-24-9	Atrazine	44	U	44	92.4	370	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	92.4	370	ug/Kg
85-01-8	Phenanthrene	49	U	49	47.6	190	ug/Kg
608-93-5	Pentachlorobenzene	57	U	57	47.6	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.6	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.6	190	ug/Kg
86-74-8	Carbazole	50	U	50	92.4	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.6	190	ug/Kg
206-44-0	Fluoranthene	49	U	49	92.4	190	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B37	SDG No.:	BM061124
Lab Sample ID:	P2642-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045981.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	49	U	49	47.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	92.4	370	ug/Kg
56-55-3	Benzo(a)anthracene	44	U	44	47.6	190	ug/Kg
218-01-9	Chrysene	50	U	50	47.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	49	U	49	47.6	190	ug/Kg
117-84-0	Di-n-octyl phthalate	38	U	38	92.4	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	47.6	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	U	50	47.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	47	U	47	47.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	41	U	41	47.6	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41	U	41	47.6	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	47.6	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.56		15-120		44	SPK: -8
7291-22-7	Pyridine-d5	11.261		20-120		28	SPK: -40
4165-62-2	Phenol-d5	18.642		10-130		47	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.205		10-150		48	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.828		15-120		47	SPK: -40
190780-66-6	4-Methylphenol-d8	20.296		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	17.007		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	16.932		10-120		42	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.095		10-140		43	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.178		1-145		45	SPK: -40
85448-30-2	Dimethylphthalate-d6	20.408		10-145		51	SPK: -40
93951-97-4	Acenaphthylene-d8	19.573		15-120		49	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.864		10-150		32	SPK: -40
81103-79-9	Fluorene-d10	20.815		20-140		52	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B37	SDG No.:	BM061124
Lab Sample ID:	P2642-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045981.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.37		10-130		31	SPK: -40
1719-06-8	Anthracene-d10	20.553		10-150		51	SPK: -40
1718-52-1	Pyrene-d10	16.75		10-130		42	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.065		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91112	7.439				
1146-65-2	Naphthalene-d8	421080	10.21				
15067-26-2	Acenaphthene-d10	278279	14.086				
1517-22-2	Phenanthrene-d10	610868	16.833				
1719-03-5	Chrysene-d12	680144	21.044				
1520-96-3	Perylene-d12	815586	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
001002-84-2	Pentadecanoic acid	94	J			17.762	
E966796	Total Alkanes	54	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH7	SDG No.:	BM061124
Lab Sample ID:	P2642-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045982.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	11.2	110	ug/Kg
100-52-7	Benzaldehyde	130	U	130	140	560	ug/Kg
110-86-1	Pyridine	73	U	73	280	560	ug/Kg
108-95-2	Phenol	60	U	60	140	560	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	58	U	58	140	560	ug/Kg
95-57-8	2-Chlorophenol	48	U	48	72.4	290	ug/Kg
95-48-7	2-Methylphenol	51	U	51	140	560	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46	U	46	140	560	ug/Kg
98-86-2	Acetophenone	65	U	65	140	560	ug/Kg
106-44-5	4-Methylphenol	55	U	55	140	560	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	49	U	49	72.4	290	ug/Kg
67-72-1	Hexachloroethane	39	U	39	72.4	290	ug/Kg
98-95-3	Nitrobenzene	61	U	61	72.4	290	ug/Kg
78-59-1	Isophorone	58	U	58	72.4	290	ug/Kg
88-75-5	2-Nitrophenol	55	U	55	72.4	290	ug/Kg
105-67-9	2,4-Dimethylphenol	48	U	48	72.4	290	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	65	U	65	72.4	290	ug/Kg
120-83-2	2,4-Dichlorophenol	66	U	66	72.4	290	ug/Kg
91-20-3	Naphthalene	58	U	58	72.4	290	ug/Kg
106-47-8	4-Chloroaniline	73	U	73	72.4	560	ug/Kg
87-68-3	Hexachlorobutadiene	58	U	58	72.4	290	ug/Kg
105-60-2	Caprolactam	200	U	200	140	560	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48	U	48	72.4	290	ug/Kg
90-12-0	1-Methylnaphthalene	70	U	70	72.4	290	ug/Kg
91-57-6	2-Methylnaphthalene	63	U	63	72.4	290	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	140	560	ug/Kg
88-06-2	2,4,6-Trichlorophenol	73	U	73	72.4	290	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72	U	72	72.4	290	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH7	SDG No.:	BM061124
Lab Sample ID:	P2642-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045982.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	82	U	82	72.4	290	ug/Kg
91-58-7	2-Chloronaphthalene	77	U	77	72.4	290	ug/Kg
88-74-4	2-Nitroaniline	37	U	37	72.4	290	ug/Kg
131-11-3	Dimethylphthalate	72	U	72	72.4	290	ug/Kg
606-20-2	2,6-Dinitrotoluene	36	U	36	72.4	290	ug/Kg
208-96-8	Acenaphthylene	73	U	73	72.4	290	ug/Kg
99-09-2	3-Nitroaniline	34	U	34	140	560	ug/Kg
83-32-9	Acenaphthene	70	U	70	72.4	290	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	140	560	ug/Kg
100-02-7	4-Nitrophenol	70	U	70	140	560	ug/Kg
132-64-9	Dibenzofuran	78	U	78	72.4	290	ug/Kg
121-14-2	2,4-Dinitrotoluene	46	U	46	72.4	290	ug/Kg
84-66-2	Diethylphthalate	100	U	100	72.4	290	ug/Kg
86-73-7	Fluorene	77	U	77	72.4	290	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	80	U	80	72.4	290	ug/Kg
100-01-6	4-Nitroaniline	72	U	72	140	560	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	27	U	27	140	560	ug/Kg
86-30-6	N-Nitrosodiphenylamine	72	U	72	72.4	290	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87	U	87	72.4	290	ug/Kg
101-55-3	4-Bromophenyl-phenylether	77	U	77	72.4	290	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	72.4	290	ug/Kg
1912-24-9	Atrazine	66	U	66	140	560	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	140	560	ug/Kg
85-01-8	Phenanthrene	540		75	72.4	290	ug/Kg
608-93-5	Pentachlorobenzene	87	U	87	72.4	290	ug/Kg
120-12-7	Anthracene	100	J	73	72.4	290	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	56	U	56	72.4	290	ug/Kg
86-74-8	Carbazole	77	U	77	140	560	ug/Kg
84-74-2	Di-n-butylphthalate	72	U	72	72.4	290	ug/Kg
206-44-0	Fluoranthene	730		75	140	290	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH7	SDG No.:	BM061124
Lab Sample ID:	P2642-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045982.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	580		75	72.4	290	ug/Kg
85-68-7	Butylbenzylphthalate	55	U	55	72.4	290	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39	U	39	140	560	ug/Kg
56-55-3	Benzo(a)anthracene	400		66	72.4	290	ug/Kg
218-01-9	Chrysene	470		77	72.4	290	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	75	72.4	290	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	140	560	ug/Kg
205-99-2	Benzo(b)fluoranthene	590		72	72.4	290	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	77	72.4	290	ug/Kg
50-32-8	Benzo(a)pyrene	300		72	72.4	290	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	J	63	72.4	290	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	79	J	63	72.4	290	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60	U	60	72.4	290	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	63	U	63	72.4	290	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.528		15-120		57	SPK: -8
7291-22-7	Pyridine-d5	8.205		20-120		21	SPK: -40
4165-62-2	Phenol-d5	31.64		10-130		79	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.146		10-150		78	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.827		15-120		80	SPK: -40
190780-66-6	4-Methylphenol-d8	33.869		10-140		85	SPK: -40
4165-60-0	Nitrobenzene-d5	29.472		10-135		74	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.294		10-120		73	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.27		10-140		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.183		1-145		68	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.849		10-145		85	SPK: -40
93951-97-4	Acenaphthylene-d8	32.687		15-120		82	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.622		10-150		59	SPK: -40
81103-79-9	Fluorene-d10	35.185		20-140		88	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH7	SDG No.:	BM061124
Lab Sample ID:	P2642-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045982.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.135		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	34.325		10-150		86	SPK: -40
1718-52-1	Pyrene-d10	26.176		10-130		65	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.635		10-140		72	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	80365	7.44				
1146-65-2	Naphthalene-d8	363200	10.21				
15067-26-2	Acenaphthene-d10	241605	14.086				
1517-22-2	Phenanthrene-d10	538038	16.827				
1719-03-5	Chrysene-d12	652065	21.039				
1520-96-3	Perylene-d12	762274	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	380	J			17.757	
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J			17.898	
1000309-24-5	Oxalic acid, allyl octadecyl ester	180	J			20.756	
E966796	Total Alkanes	82	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH8	SDG No.:	BM061124
Lab Sample ID:	P2642-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045983.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8.2	83	ug/Kg
100-52-7	Benzaldehyde	93	U	93	100	410	ug/Kg
110-86-1	Pyridine	53	U	53	200	410	ug/Kg
108-95-2	Phenol	43	U	43	100	410	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	42	U	42	100	410	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	52.8	210	ug/Kg
95-48-7	2-Methylphenol	37	U	37	100	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	34	U	34	100	410	ug/Kg
98-86-2	Acetophenone	47	U	47	100	410	ug/Kg
106-44-5	4-Methylphenol	40	U	40	100	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	36	U	36	52.8	210	ug/Kg
67-72-1	Hexachloroethane	29	U	29	52.8	210	ug/Kg
98-95-3	Nitrobenzene	45	U	45	52.8	210	ug/Kg
78-59-1	Isophorone	42	U	42	52.8	210	ug/Kg
88-75-5	2-Nitrophenol	40	U	40	52.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	52.8	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	47	U	47	52.8	210	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	52.8	210	ug/Kg
91-20-3	Naphthalene	42	U	42	52.8	210	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	52.8	410	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	52.8	210	ug/Kg
105-60-2	Caprolactam	150	U	150	100	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35	U	35	52.8	210	ug/Kg
90-12-0	1-Methylnaphthalene	51	U	51	52.8	210	ug/Kg
91-57-6	2-Methylnaphthalene	46	U	46	52.8	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98	U	98	100	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53	U	53	52.8	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52	U	52	52.8	210	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH8	SDG No.:	BM061124
Lab Sample ID:	P2642-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045983.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	60	U	60	52.8	210	ug/Kg
91-58-7	2-Chloronaphthalene	56	U	56	52.8	210	ug/Kg
88-74-4	2-Nitroaniline	27	U	27	52.8	210	ug/Kg
131-11-3	Dimethylphthalate	52	U	52	52.8	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	52.8	210	ug/Kg
208-96-8	Acenaphthylene	53	U	53	52.8	210	ug/Kg
99-09-2	3-Nitroaniline	25	U	25	100	410	ug/Kg
83-32-9	Acenaphthene	51	U	51	52.8	210	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	410	ug/Kg
100-02-7	4-Nitrophenol	51	U	51	100	410	ug/Kg
132-64-9	Dibenzofuran	57	U	57	52.8	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	34	U	34	52.8	210	ug/Kg
84-66-2	Diethylphthalate	75	U	75	52.8	210	ug/Kg
86-73-7	Fluorene	56	U	56	52.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58	U	58	52.8	210	ug/Kg
100-01-6	4-Nitroaniline	52	U	52	100	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	52	U	52	52.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63	U	63	52.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56	U	56	52.8	210	ug/Kg
118-74-1	Hexachlorobenzene	62	U	62	52.8	210	ug/Kg
1912-24-9	Atrazine	48	U	48	100	410	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	410	ug/Kg
85-01-8	Phenanthrene	150	J	55	52.8	210	ug/Kg
608-93-5	Pentachlorobenzene	63	U	63	52.8	210	ug/Kg
120-12-7	Anthracene	53	U	53	52.8	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	41	U	41	52.8	210	ug/Kg
86-74-8	Carbazole	56	U	56	100	410	ug/Kg
84-74-2	Di-n-butylphthalate	52	U	52	52.8	210	ug/Kg
206-44-0	Fluoranthene	120	J	55	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH8	SDG No.:	BM061124
Lab Sample ID:	P2642-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045983.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	140	J	55	52.8	210	ug/Kg
85-68-7	Butylbenzylphthalate	40	U	40	52.8	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	29	100	410	ug/Kg
56-55-3	Benzo(a)anthracene	69	J	48	52.8	210	ug/Kg
218-01-9	Chrysene	89	J	56	52.8	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	55	U	55	52.8	210	ug/Kg
117-84-0	Di-n-octyl phthalate	42	U	42	100	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	79	J	52	52.8	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	52.8	210	ug/Kg
50-32-8	Benzo(a)pyrene	68	J	52	52.8	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46	U	46	52.8	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	46	U	46	52.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	43	U	43	52.8	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	52.8	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.078		15-120		51	SPK: -8
7291-22-7	Pyridine-d5	14.899		20-120		37	SPK: -40
4165-62-2	Phenol-d5	23.848		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.398		10-150		61	SPK: -40
93951-73-6	2-Chlorophenol-d4	24.752		15-120		62	SPK: -40
190780-66-6	4-Methylphenol-d8	26.094		10-140		65	SPK: -40
4165-60-0	Nitrobenzene-d5	24.242		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.199		10-120		60	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	24.389		10-140		61	SPK: -40
191656-33-4	4-Chloroaniline-d4	24.238		1-145		61	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.059		10-145		68	SPK: -40
93951-97-4	Acenaphthylene-d8	26.082		15-120		65	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.651		10-150		47	SPK: -40
81103-79-9	Fluorene-d10	27.26		20-140		68	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH8	SDG No.:	BM061124
Lab Sample ID:	P2642-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045983.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.028		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	27.19		10-150		68	SPK: -40
1718-52-1	Pyrene-d10	22.692		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.214		10-140		71	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	104927	7.439				
1146-65-2	Naphthalene-d8	454139	10.21				
15067-26-2	Acenaphthene-d10	295761	14.086				
1517-22-2	Phenanthrene-d10	642604	16.827				
1719-03-5	Chrysene-d12	701984	21.044				
1520-96-3	Perylene-d12	804491	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000541-05-9	Cyclotrisiloxane, hexamethyl-	180	J			4.169	
1000139-90-3	1-Isobutoxy-2-ethylhexane	140	J			7.563	
	unknown-01	99	J			9.192	
000613-12-7	Anthracene, 2-methyl-	150	J			17.756	
074472-36-9	2,3,3,5,6-Pentachloro-1,1-biphen	86	J			19.045	
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl	450	J			20.256	
000556-71-8	Cyclononasiloxane, octadecamethyl-	150	J			21.756	
000107-52-8	Hexasiloxane, tetradecamethyl-	160	J			22.474	
000541-01-5	Heptasiloxane, hexadecamethyl-	170	J			23.315	
	unknown-02	170	J			24.338	
E966796	Total Alkanes	60	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH2	SDG No.:	BM061124
Lab Sample ID:	P2642-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045984.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	7.9	80	ug/Kg
100-52-7	Benzaldehyde	90	U	90	99.2	400	ug/Kg
110-86-1	Pyridine	52	U	52	200	400	ug/Kg
108-95-2	Phenol	42	U	42	99.2	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	41	U	41	99.2	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.1	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	99.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	99.2	400	ug/Kg
98-86-2	Acetophenone	46	U	46	99.2	400	ug/Kg
106-44-5	4-Methylphenol	38	U	38	99.2	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51.1	200	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51.1	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	51.1	200	ug/Kg
78-59-1	Isophorone	41	U	41	51.1	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	51.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	51.1	200	ug/Kg
91-20-3	Naphthalene	41	U	41	51.1	200	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	51.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	51.1	200	ug/Kg
105-60-2	Caprolactam	140	U	140	99.2	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	51.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	51.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	95	U	95	99.2	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	51.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	51.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH2	SDG No.:	BM061124
Lab Sample ID:	P2642-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045984.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	58	U	58	51.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	51.1	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	51.1	200	ug/Kg
131-11-3	Dimethylphthalate	50	U	50	51.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	51.1	200	ug/Kg
208-96-8	Acenaphthylene	52	U	52	51.1	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	99.2	400	ug/Kg
83-32-9	Acenaphthene	49	U	49	51.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	99.2	400	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	99.2	400	ug/Kg
132-64-9	Dibenzofuran	55	U	55	51.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	51.1	200	ug/Kg
84-66-2	Diethylphthalate	72	U	72	51.1	200	ug/Kg
86-73-7	Fluorene	54	U	54	51.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	51.1	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	99.2	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	99.2	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	51.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	61	51.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	51.1	200	ug/Kg
118-74-1	Hexachlorobenzene	60	U	60	51.1	200	ug/Kg
1912-24-9	Atrazine	47	U	47	99.2	400	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	99.2	400	ug/Kg
85-01-8	Phenanthrene	53	U	53	51.1	200	ug/Kg
608-93-5	Pentachlorobenzene	61	U	61	51.1	200	ug/Kg
120-12-7	Anthracene	52	U	52	51.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51.1	200	ug/Kg
86-74-8	Carbazole	54	U	54	99.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	51.1	200	ug/Kg
206-44-0	Fluoranthene	53	U	53	99.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH2	SDG No.:	BM061124
Lab Sample ID:	P2642-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045984.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	53	U	53	51.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	51.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	99.2	400	ug/Kg
56-55-3	Benzo(a)anthracene	47	U	47	51.1	200	ug/Kg
218-01-9	Chrysene	54	U	54	51.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	53	U	53	51.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	41	U	41	99.2	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	51.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	54	U	54	51.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	51.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	51.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	51.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	42	U	42	51.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.1	200	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	21.607		20-120		54	SPK: -40
17647-74-4	1,4-Dioxane-d8	4.171		15-120		52	SPK: -8
4165-62-2	Phenol-d5	26.736		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.026		10-150		68	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.943		15-120		70	SPK: -40
190780-66-6	4-Methylphenol-d8	29.091		10-140		73	SPK: -40
4165-60-0	Nitrobenzene-d5	26.678		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.302		10-120		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.314		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.446		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.859		10-145		72	SPK: -40
93951-97-4	Acenaphthylene-d8	28.312		15-120		71	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.177		10-150		53	SPK: -40
81103-79-9	Fluorene-d10	29.277		20-140		73	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH2	SDG No.:	BM061124
Lab Sample ID:	P2642-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045984.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.254		10-130		48	SPK: -40
1719-06-8	Anthracene-d10	29.075		10-150		73	SPK: -40
1718-52-1	Pyrene-d10	24.883		10-130		62	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	30.307		10-140		76	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136719	7.434				
1146-65-2	Naphthalene-d8	603134	10.204				
15067-26-2	Acenaphthene-d10	397268	14.086				
1517-22-2	Phenanthrene-d10	855404	16.827				
1719-03-5	Chrysene-d12	879004	21.044				
1520-96-3	Perylene-d12	929716	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	150	J			17.762	
	(DEL) Alkane: Straight-Chain	20.762	J			20.762	
E966796	Total Alkanes	97				99	ug/Kg



Client:			Date Collected:	5/29/2024 12:00:00 AM		
Project:			Date Received:	5/29/2024 12:00:00 AM		
Client Sample ID:	A4BH6		SDG No.:	BM061124		
Lab Sample ID:	P2642-09		Matrix:	Solid		
Analytical Method:	SFAM_SVOC		% Moisture:	14.8		
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	500	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045985.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.7	78	ug/Kg
100-52-7	Benzaldehyde	88	U	88	96.5	390	ug/Kg
110-86-1	Pyridine	50	U	50	190	390	ug/Kg
108-95-2	Phenol	41	U	41	96.5	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	96.5	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	49.7	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	96.5	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	96.5	390	ug/Kg
98-86-2	Acetophenone	44	U	44	96.5	390	ug/Kg
106-44-5	4-Methylphenol	37	U	37	96.5	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.7	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.7	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.7	200	ug/Kg
78-59-1	Isophorone	40	U	40	49.7	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	49.7	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	49.7	200	ug/Kg
91-20-3	Naphthalene	40	U	40	49.7	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.7	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	49.7	200	ug/Kg
105-60-2	Caprolactam	140	U	140	96.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	49.7	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	96.5	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH6	SDG No.:	BM061124
Lab Sample ID:	P2642-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045985.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	49.7	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	49.7	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	49.7	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.7	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	96.5	390	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	96.5	390	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	96.5	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	49.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	49.7	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.7	200	ug/Kg
86-73-7	Fluorene	53	U	53	49.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	49.7	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	96.5	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	96.5	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	49.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	49.7	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.7	200	ug/Kg
1912-24-9	Atrazine	46	U	46	96.5	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	96.5	390	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.7	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	49.7	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.7	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	49.7	200	ug/Kg
86-74-8	Carbazole	53	U	53	96.5	390	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.7	200	ug/Kg
206-44-0	Fluoranthene	51	J	51	96.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH6	SDG No.:	BM061124
Lab Sample ID:	P2642-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045985.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	96.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	49.7	200	ug/Kg
218-01-9	Chrysene	53	U	53	49.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59	J	51	49.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	96.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	49.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.7	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.624		15-120		45	SPK: -8
7291-22-7	Pyridine-d5	15.896		20-120		40	SPK: -40
4165-62-2	Phenol-d5	22.756		10-130		57	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.008		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.321		15-120		58	SPK: -40
190780-66-6	4-Methylphenol-d8	25.221		10-140		63	SPK: -40
4165-60-0	Nitrobenzene-d5	21.656		10-135		54	SPK: -40
93951-78-1	2-Nitrophenol-d4	21.808		10-120		55	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.482		10-140		56	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.437		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.411		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	24.188		15-120		60	SPK: -40
93951-79-2	4-Nitrophenol-d4	16.281		10-150		41	SPK: -40
81103-79-9	Fluorene-d10	25.477		20-140		64	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH6	SDG No.:	BM061124
Lab Sample ID:	P2642-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045985.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.609		10-130		39	SPK: -40
1719-06-8	Anthracene-d10	24.751		10-150		62	SPK: -40
1718-52-1	Pyrene-d10	20.79		10-130		52	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	25.721		10-140		64	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	110538	7.44				
1146-65-2	Naphthalene-d8	496709	10.204				
15067-26-2	Acenaphthene-d10	325104	14.086				
1517-22-2	Phenanthrene-d10	711124	16.827				
1719-03-5	Chrysene-d12	751849	21.045				
1520-96-3	Perylene-d12	813289	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.762	
1000130-97-9	E-15-Heptadecenal	81	J			20.756	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B39	SDG No.:	BM061124
Lab Sample ID:	P2642-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045986.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	26	U	26	12.9	130	ug/Kg
100-52-7	Benzaldehyde	150	U	150	160	650	ug/Kg
110-86-1	Pyridine	84	U	84	320	650	ug/Kg
108-95-2	Phenol	69	U	69	160	650	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	67	U	67	160	650	ug/Kg
95-57-8	2-Chlorophenol	55	U	55	83.4	330	ug/Kg
95-48-7	2-Methylphenol	59	U	59	160	650	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	53	U	53	160	650	ug/Kg
98-86-2	Acetophenone	75	U	75	160	650	ug/Kg
106-44-5	4-Methylphenol	63	U	63	160	650	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	57	U	57	83.4	330	ug/Kg
67-72-1	Hexachloroethane	45	U	45	83.4	330	ug/Kg
98-95-3	Nitrobenzene	71	U	71	83.4	330	ug/Kg
78-59-1	Isophorone	67	U	67	83.4	330	ug/Kg
88-75-5	2-Nitrophenol	63	U	63	83.4	330	ug/Kg
105-67-9	2,4-Dimethylphenol	55	U	55	83.4	330	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	75	U	75	83.4	330	ug/Kg
120-83-2	2,4-Dichlorophenol	77	U	77	83.4	330	ug/Kg
91-20-3	Naphthalene	67	U	67	83.4	330	ug/Kg
106-47-8	4-Chloroaniline	84	U	84	83.4	650	ug/Kg
87-68-3	Hexachlorobutadiene	67	U	67	83.4	330	ug/Kg
105-60-2	Caprolactam	240	U	240	160	650	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55	U	55	83.4	330	ug/Kg
90-12-0	1-Methylnaphthalene	80	U	80	83.4	330	ug/Kg
91-57-6	2-Methylnaphthalene	73	U	73	83.4	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	160	650	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84	U	84	83.4	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82	U	82	83.4	330	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B39	SDG No.:	BM061124
Lab Sample ID:	P2642-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045986.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	94	U	94	83.4	330	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	88	83.4	330	ug/Kg
88-74-4	2-Nitroaniline	43	U	43	83.4	330	ug/Kg
131-11-3	Dimethylphthalate	82	U	82	83.4	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	41	U	41	83.4	330	ug/Kg
208-96-8	Acenaphthylene	84	U	84	83.4	330	ug/Kg
99-09-2	3-Nitroaniline	39	U	39	160	650	ug/Kg
83-32-9	Acenaphthene	80	U	80	83.4	330	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	160	650	ug/Kg
100-02-7	4-Nitrophenol	80	U	80	160	650	ug/Kg
132-64-9	Dibenzofuran	90	U	90	83.4	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	53	U	53	83.4	330	ug/Kg
84-66-2	Diethylphthalate	120	U	120	83.4	330	ug/Kg
86-73-7	Fluorene	88	U	88	83.4	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92	U	92	83.4	330	ug/Kg
100-01-6	4-Nitroaniline	82	U	82	160	650	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	160	650	ug/Kg
86-30-6	N-Nitrosodiphenylamine	82	U	82	83.4	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	83.4	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88	U	88	83.4	330	ug/Kg
118-74-1	Hexachlorobenzene	98	U	98	83.4	330	ug/Kg
1912-24-9	Atrazine	77	U	77	160	650	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	650	ug/Kg
85-01-8	Phenanthrene	86	U	86	83.4	330	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	83.4	330	ug/Kg
120-12-7	Anthracene	84	U	84	83.4	330	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	65	U	65	83.4	330	ug/Kg
86-74-8	Carbazole	88	U	88	160	650	ug/Kg
84-74-2	Di-n-butylphthalate	82	U	82	83.4	330	ug/Kg
206-44-0	Fluoranthene	86	U	86	160	330	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B39	SDG No.:	BM061124
Lab Sample ID:	P2642-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045986.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	86	U	86	83.4	330	ug/Kg
85-68-7	Butylbenzylphthalate	63	U	63	83.4	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45	U	45	160	650	ug/Kg
56-55-3	Benzo(a)anthracene	77	U	77	83.4	330	ug/Kg
218-01-9	Chrysene	88	U	88	83.4	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	86	U	86	83.4	330	ug/Kg
117-84-0	Di-n-octyl phthalate	67	U	67	160	650	ug/Kg
205-99-2	Benzo(b)fluoranthene	82	U	82	83.4	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	83.4	330	ug/Kg
50-32-8	Benzo(a)pyrene	82	U	82	83.4	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73	U	73	83.4	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	73	U	73	83.4	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	69	U	69	83.4	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	73	U	73	83.4	330	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.774		15-120		60	SPK: -8
7291-22-7	Pyridine-d5	17.865		20-120		45	SPK: -40
4165-62-2	Phenol-d5	25.25		10-130		63	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.839		10-150		65	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.071		15-120		65	SPK: -40
190780-66-6	4-Methylphenol-d8	28.18		10-140		70	SPK: -40
4165-60-0	Nitrobenzene-d5	25.494		10-135		64	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.558		10-120		64	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.626		10-140		64	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.061		1-145		63	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.069		10-145		70	SPK: -40
93951-97-4	Acenaphthylene-d8	27.57		15-120		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.176		10-150		45	SPK: -40
81103-79-9	Fluorene-d10	28.858		20-140		72	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B39	SDG No.:	BM061124
Lab Sample ID:	P2642-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045986.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.043		10-130		48	SPK: -40
1719-06-8	Anthracene-d10	28.06		10-150		70	SPK: -40
1718-52-1	Pyrene-d10	23.739		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.455		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100859	7.44				
1146-65-2	Naphthalene-d8	442634	10.204				
15067-26-2	Acenaphthene-d10	294007	14.086				
1517-22-2	Phenanthrene-d10	644731	16.827				
1719-03-5	Chrysene-d12	687063	21.045				
1520-96-3	Perylene-d12	765744	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	200	J			17.762	
1010351-87-0	Heptadecyl trifluoroacetate	170	J			20.762	
E966796	Total Alkanes	94	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH3	SDG No.:	BM061124
Lab Sample ID:	P2642-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045987.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8.4	84	ug/Kg
100-52-7	Benzaldehyde	95	U	95	100	420	ug/Kg
110-86-1	Pyridine	54	U	54	210	420	ug/Kg
108-95-2	Phenol	44	U	44	100	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	43	U	43	100	420	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53.9	220	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	34	U	34	100	420	ug/Kg
98-86-2	Acetophenone	48	U	48	100	420	ug/Kg
106-44-5	4-Methylphenol	41	U	41	100	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	37	U	37	53.9	220	ug/Kg
67-72-1	Hexachloroethane	29	U	29	53.9	220	ug/Kg
98-95-3	Nitrobenzene	46	U	46	53.9	220	ug/Kg
78-59-1	Isophorone	43	U	43	53.9	220	ug/Kg
88-75-5	2-Nitrophenol	41	U	41	53.9	220	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	53.9	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	48	U	48	53.9	220	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	53.9	220	ug/Kg
91-20-3	Naphthalene	43	U	43	53.9	220	ug/Kg
106-47-8	4-Chloroaniline	54	U	54	53.9	420	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	53.9	220	ug/Kg
105-60-2	Caprolactam	150	U	150	100	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35	U	35	53.9	220	ug/Kg
90-12-0	1-Methylnaphthalene	52	U	52	53.9	220	ug/Kg
91-57-6	2-Methylnaphthalene	47	U	47	53.9	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	100	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	53.9	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53	U	53	53.9	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH3	SDG No.:	BM061124
Lab Sample ID:	P2642-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045987.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	61	U	61	53.9	220	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	53.9	220	ug/Kg
88-74-4	2-Nitroaniline	28	U	28	53.9	220	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	53.9	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	27	U	27	53.9	220	ug/Kg
208-96-8	Acenaphthylene	54	U	54	53.9	220	ug/Kg
99-09-2	3-Nitroaniline	25	U	25	100	420	ug/Kg
83-32-9	Acenaphthene	52	U	52	53.9	220	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	420	ug/Kg
100-02-7	4-Nitrophenol	52	U	52	100	420	ug/Kg
132-64-9	Dibenzofuran	58	U	58	53.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	34	U	34	53.9	220	ug/Kg
84-66-2	Diethylphthalate	76	U	76	53.9	220	ug/Kg
86-73-7	Fluorene	57	U	57	53.9	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60	U	60	53.9	220	ug/Kg
100-01-6	4-Nitroaniline	53	U	53	100	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	53	U	53	53.9	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65	U	65	53.9	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57	U	57	53.9	220	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	53.9	220	ug/Kg
1912-24-9	Atrazine	49	U	49	100	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	420	ug/Kg
85-01-8	Phenanthrene	56	U	56	53.9	220	ug/Kg
608-93-5	Pentachlorobenzene	65	U	65	53.9	220	ug/Kg
120-12-7	Anthracene	54	U	54	53.9	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	42	U	42	53.9	220	ug/Kg
86-74-8	Carbazole	57	U	57	100	420	ug/Kg
84-74-2	Di-n-butylphthalate	53	U	53	53.9	220	ug/Kg
206-44-0	Fluoranthene	56	U	56	100	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH3	SDG No.:	BM061124
Lab Sample ID:	P2642-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045987.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	56	U	56	53.9	220	ug/Kg
85-68-7	Butylbenzylphthalate	41	U	41	53.9	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	29	100	420	ug/Kg
56-55-3	Benzo(a)anthracene	49	U	49	53.9	220	ug/Kg
218-01-9	Chrysene	57	U	57	53.9	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56	U	56	53.9	220	ug/Kg
117-84-0	Di-n-octyl phthalate	43	U	43	100	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	53	U	53	53.9	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	57	U	57	53.9	220	ug/Kg
50-32-8	Benzo(a)pyrene	53	U	53	53.9	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47	U	47	53.9	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	47	U	47	53.9	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	44	U	44	53.9	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	53.9	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.024		15-120		38	SPK: -8
7291-22-7	Pyridine-d5	8.884		20-120		22	SPK: -40
4165-62-2	Phenol-d5	19.978		10-130		50	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.429		10-150		51	SPK: -40
93951-73-6	2-Chlorophenol-d4	20.239		15-120		51	SPK: -40
190780-66-6	4-Methylphenol-d8	21.843		10-140		55	SPK: -40
4165-60-0	Nitrobenzene-d5	19.226		10-135		48	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.848		10-120		47	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.088		10-140		50	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.87		1-145		50	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.814		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	22.091		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.921		10-150		30	SPK: -40
81103-79-9	Fluorene-d10	23.638		20-140		59	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4BH3	SDG No.:	BM061124
Lab Sample ID:	P2642-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045987.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.685		10-130		32	SPK: -40
1719-06-8	Anthracene-d10	23.171		10-150		58	SPK: -40
1718-52-1	Pyrene-d10	19.752		10-130		49	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.254		10-140		61	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94986	7.44				
1146-65-2	Naphthalene-d8	421076	10.21				
15067-26-2	Acenaphthene-d10	281393	14.086				
1517-22-2	Phenanthrene-d10	618724	16.827				
1719-03-5	Chrysene-d12	655266	21.039				
1520-96-3	Perylene-d12	740809	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.762	
	unknown-01	350	J			20.768	
E966796	Total Alkanes	61	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B35	SDG No.:	BM061124
Lab Sample ID:	P2642-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	61.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045988.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	17.1	170	ug/Kg
100-52-7	Benzaldehyde	190	U	190	210	850	ug/Kg
110-86-1	Pyridine	110	U	110	430	850	ug/Kg
108-95-2	Phenol	91	U	91	210	850	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	88	U	88	210	850	ug/Kg
95-57-8	2-Chlorophenol	72	U	72	110	440	ug/Kg
95-48-7	2-Methylphenol	78	U	78	210	850	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70	U	70	210	850	ug/Kg
98-86-2	Acetophenone	98	U	98	210	850	ug/Kg
106-44-5	4-Methylphenol	280	J	83	210	850	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	75	U	75	110	440	ug/Kg
67-72-1	Hexachloroethane	60	U	60	110	440	ug/Kg
98-95-3	Nitrobenzene	93	U	93	110	440	ug/Kg
78-59-1	Isophorone	88	U	88	110	440	ug/Kg
88-75-5	2-Nitrophenol	83	U	83	110	440	ug/Kg
105-67-9	2,4-Dimethylphenol	72	U	72	110	440	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	98	U	98	110	440	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	110	440	ug/Kg
91-20-3	Naphthalene	88	U	88	110	440	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	110	850	ug/Kg
87-68-3	Hexachlorobutadiene	88	U	88	110	440	ug/Kg
105-60-2	Caprolactam	310	U	310	210	850	ug/Kg
59-50-7	4-Chloro-3-methylphenol	72	U	72	110	440	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	110	440	ug/Kg
91-57-6	2-Methylnaphthalene	96	U	96	110	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	210	850	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	110	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	110	440	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B35	SDG No.:	BM061124
Lab Sample ID:	P2642-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	61.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045988.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	120	U	120	110	440	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	110	440	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	110	440	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	110	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	110	440	ug/Kg
208-96-8	Acenaphthylene	110	U	110	110	440	ug/Kg
99-09-2	3-Nitroaniline	52	U	52	210	850	ug/Kg
83-32-9	Acenaphthene	110	U	110	110	440	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	210	850	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	210	850	ug/Kg
132-64-9	Dibenzofuran	120	U	120	110	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	70	U	70	110	440	ug/Kg
84-66-2	Diethylphthalate	160	U	160	110	440	ug/Kg
86-73-7	Fluorene	120	U	120	110	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	110	440	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	210	850	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	41	U	41	210	850	ug/Kg
86-30-6	N-Nitrosodiphenylamine	110	U	110	110	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	110	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	110	440	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	110	440	ug/Kg
1912-24-9	Atrazine	100	U	100	210	850	ug/Kg
87-86-5	Pentachlorophenol	230	U	230	210	850	ug/Kg
85-01-8	Phenanthrene	280	J	110	110	440	ug/Kg
608-93-5	Pentachlorobenzene	130	U	130	110	440	ug/Kg
120-12-7	Anthracene	110	U	110	110	440	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	85	U	85	110	440	ug/Kg
86-74-8	Carbazole	120	U	120	210	850	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	110	440	ug/Kg
206-44-0	Fluoranthene	410	J	110	210	440	ug/Kg

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B35	SDG No.:	BM061124
Lab Sample ID:	P2642-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	61.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045988.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	320	J	110	110	440	ug/Kg
85-68-7	Butylbenzylphthalate	83	U	83	110	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	60	U	60	210	850	ug/Kg
56-55-3	Benzo(a)anthracene	230	J	100	110	440	ug/Kg
218-01-9	Chrysene	260	J	120	110	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	110	440	ug/Kg
117-84-0	Di-n-octyl phthalate	88	U	88	210	850	ug/Kg
205-99-2	Benzo(b)fluoranthene	310	J	110	110	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	110	440	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	110	110	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	96	110	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96	U	96	110	440	ug/Kg
191-24-2	Benzo(g,h,i)perylene	91	U	91	110	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96	U	96	110	440	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.793		15-120		60	SPK: -8
7291-22-7	Pyridine-d5	10.678		20-120		27	SPK: -40
4165-62-2	Phenol-d5	33.233		10-130		83	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	33.249		10-150		83	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.931		15-120		85	SPK: -40
190780-66-6	4-Methylphenol-d8	34.84		10-140		87	SPK: -40
4165-60-0	Nitrobenzene-d5	31.629		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.888		10-120		82	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.036		10-140		83	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.179		1-145		70	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.847		10-145		87	SPK: -40
93951-97-4	Acenaphthylene-d8	34.355		15-120		86	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.755		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	35.763		20-140		89	SPK: -40

Report of Analysis

Client:		Date Collected:	5/29/2024 12:00:00 AM
Project:		Date Received:	5/29/2024 12:00:00 AM
Client Sample ID:	A4B35	SDG No.:	BM061124
Lab Sample ID:	P2642-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	61.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045988.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.141		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	34.454		10-150		86	SPK: -40
1718-52-1	Pyrene-d10	27.758		10-130		69	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.698		10-140		72	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115125	7.434				
1146-65-2	Naphthalene-d8	516407	10.204				
15067-26-2	Acenaphthene-d10	341033	14.08				
1517-22-2	Phenanthrene-d10	756732	16.827				
1719-03-5	Chrysene-d12	839681	21.039				
1520-96-3	Perylene-d12	919935	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000770-35-4	1-Phenoxypropan-2-ol	170	J			11.016	
000057-10-3	n-Hexadecanoic acid	480	J			17.762	
000506-52-5	1-Hexacosanol	350	J			20.756	
	(DEL) Alkane: Straight-Chain	260	J			21.739	
E966796	Total Alkanes	260				99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SLCS248	SDG No.:	BM061124
Lab Sample ID:	PB161248BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045989.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	390		13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	1600		75	82.5	330	ug/Kg
110-86-1	Pyridine	1200		43	170	330	ug/Kg
108-95-2	Phenol	1300		35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1100		34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1200		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1300		30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		27	82.5	330	ug/Kg
98-86-2	Acetophenone	1300		38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1400		32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1300		29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1100		23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1200		36	42.5	170	ug/Kg
78-59-1	Isophorone	1200		34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1200		32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1100		38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		39	42.5	170	ug/Kg
91-20-3	Naphthalene	1100		34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	1100		43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1000		34	42.5	170	ug/Kg
105-60-2	Caprolactam	1600		120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	730		79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SLCS248	SDG No.:	BM061124
Lab Sample ID:	PB161248BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045989.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1100		48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1100		45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	1100		42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1100		43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	1400		20	82.5	330	ug/Kg
83-32-9	Acenaphthene	1100		41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1600		41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1200		46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1200		60	42.5	170	ug/Kg
86-73-7	Fluorene	1200		45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200		47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1800		42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1100		42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1100		50	42.5	170	ug/Kg
1912-24-9	Atrazine	1100		39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	1300		87	82.5	330	ug/Kg
85-01-8	Phenanthrene	1200		44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1000		51	42.5	170	ug/Kg
120-12-7	Anthracene	1100		43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	940		33	42.5	170	ug/Kg
86-74-8	Carbazole	1300		45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1200		42	42.5	170	ug/Kg
206-44-0	Fluoranthene	960		44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SLCS248	SDG No.:	BM061124
Lab Sample ID:	PB161248BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045989.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1000		44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1000		32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1100		39	42.5	170	ug/Kg
218-01-9	Chrysene	1100		45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1100		42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.421		15-120		68	SPK: -8
7291-22-7	Pyridine-d5	32.334		20-120		81	SPK: -40
4165-62-2	Phenol-d5	37.299		10-130		93	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	34.869		10-150		87	SPK: -40
93951-73-6	2-Chlorophenol-d4	37.593		15-120		94	SPK: -40
190780-66-6	4-Methylphenol-d8	39.068		10-140		98	SPK: -40
4165-60-0	Nitrobenzene-d5	34.707		10-135		87	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.941		10-120		87	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	37.067		10-140		93	SPK: -40
191656-33-4	4-Chloroaniline-d4	35.632		1-145		89	SPK: -40
85448-30-2	Dimethylphthalate-d6	35.044		10-145		88	SPK: -40
93951-97-4	Acenaphthylene-d8	34.439		15-120		86	SPK: -40
93951-79-2	4-Nitrophenol-d4	40.782		10-150		102	SPK: -40
81103-79-9	Fluorene-d10	35.098		20-140		88	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	SLCS248	SDG No.:	BM061124
Lab Sample ID:	PB161248BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM045989.D	1	5/31/2024 12:00:00 AM	6/11/2024 12:00:00 AM	PB161248

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	34.704		10-130		87	SPK: -40
1719-06-8	Anthracene-d10	34.722		10-150		87	SPK: -40
1718-52-1	Pyrene-d10	29.27		10-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.207		10-140		91	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112919	7.434				
1146-65-2	Naphthalene-d8	520837	10.198				
15067-26-2	Acenaphthene-d10	354086	14.08				
1517-22-2	Phenanthrene-d10	768938	16.827				
1719-03-5	Chrysene-d12	782336	21.039				
1520-96-3	Perylene-d12	829579	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM061124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4BH0								
P2642-05	A4BH0	Solid	n-Hexadecanoic acid	*	230.000	J		
P2642-05	A4BH0	Solid	Total Alkanes	*	0.000	68	240	ug/Kg
Total Tics :				230.00				
P2642-05	A4BH0	Solid	Benzo(a)anthracene		100.000	J 55	240	ug/Kg
P2642-05	A4BH0	Solid	Benzo(a)pyrene		100.000	J 59	240	ug/Kg
P2642-05	A4BH0	Solid	Benzo(b)fluoranthene		120.000	J 59	240	ug/Kg
P2642-05	A4BH0	Solid	Benzo(g,h,i)perylene		65.000	J 49	240	ug/Kg
P2642-05	A4BH0	Solid	Chrysene		110.000	J 64	240	ug/Kg
P2642-05	A4BH0	Solid	Fluoranthene		190.000	J 62	240	ug/Kg
P2642-05	A4BH0	Solid	Indeno(1,2,3-cd)pyrene		57.000	J 52	240	ug/Kg
P2642-05	A4BH0	Solid	Phenanthrene		210.000	J 62	240	ug/Kg
P2642-05	A4BH0	Solid	Pyrene		180.000	J 62	240	ug/Kg
Total Svoc :				1,132.00				
Total Concentration:				1,362.00				
Client ID : A4BH2								
P2642-07	A4BH2	Solid	(DEL) Alkane: Straight-Chain20.7	*	97.000	J		
P2642-07	A4BH2	Solid	n-Hexadecanoic acid	*	150.000	J		
P2642-07	A4BH2	Solid	Total Alkanes	*	97.000	58	200	ug/Kg
Total Tics :				344.00				
Total Concentration:				344.00				
Client ID : A4BH3								
P2642-08	A4BH3	Solid	n-Hexadecanoic acid	*	120.000	J		
P2642-08	A4BH3	Solid	unknown-01	*	350.000	J		
P2642-08	A4BH3	Solid	Total Alkanes	*	0.000	61	220	ug/Kg
Total Tics :				470.00				
Total Concentration:				470.00				
Client ID : A4BH6								
P2642-09	A4BH6	Solid	E-15-Heptadecenal	*	81.000	J		
P2642-09	A4BH6	Solid	n-Hexadecanoic acid	*	120.000	J		
P2642-09	A4BH6	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
Total Tics :				201.00				
P2642-09	A4BH6	Solid	Bis(2-ethylhexyl)phthalate		59.000	J 51	200	ug/Kg
P2642-09	A4BH6	Solid	Fluoranthene		51.000	J 51	200	ug/Kg
Total Svoc :				110.00				
Total Concentration:				311.00				

Client ID : A4B32

Hit Summary Sheet SW-846

SDG No.: BM061124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2642-10	A4B32	Solid	(DEL) Alkane: Straight-Chain20.7	*	240.000	J		
P2642-10	A4B32	Solid	(DEL) Alkane: Straight-Chain21.7	*	170.000	J		
P2642-10	A4B32	Solid	(DEL) Alkane: Straight-Chain24.6	*	450.000	J		
P2642-10	A4B32	Solid	1,1-Biphenyl, 2,4,4,6-tetrachlor	*	130.000	J		
P2642-10	A4B32	Solid	n-Hexadecanoic acid	*	370.000	J		
P2642-10	A4B32	Solid	Total Alkanes	*	860.000		76	270 ug/Kg
Total Tics :				2,220.00				
P2642-10	A4B32	Solid	Benzo(a)anthracene		210.000	J	62	270 ug/Kg
P2642-10	A4B32	Solid	Benzo(a)pyrene		140.000	J	67	270 ug/Kg
P2642-10	A4B32	Solid	Benzo(b)fluoranthene		310.000		67	270 ug/Kg
P2642-10	A4B32	Solid	Benzo(k)fluoranthene		110.000	J	72	270 ug/Kg
P2642-10	A4B32	Solid	Bis(2-ethylhexyl)phthalate		75.000	J	70	270 ug/Kg
P2642-10	A4B32	Solid	Chrysene		250.000	J	72	270 ug/Kg
P2642-10	A4B32	Solid	Fluoranthene		390.000		70	270 ug/Kg
P2642-10	A4B32	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	59	270 ug/Kg
P2642-10	A4B32	Solid	Phenanthrene		310.000		70	270 ug/Kg
P2642-10	A4B32	Solid	Pyrene		300.000		70	270 ug/Kg
Total Svoc :				2,205.00				
Total Concentration:				4,425.00				
Client ID : A4B35								
P2642-11	A4B35	Solid	(DEL) Alkane: Straight-Chain21.7	*	260.000	J		
P2642-11	A4B35	Solid	1-Hexacosanol	*	350.000	J		
P2642-11	A4B35	Solid	1-Phenoxypropan-2-ol	*	170.000	J		
P2642-11	A4B35	Solid	n-Hexadecanoic acid	*	480.000	J		
P2642-11	A4B35	Solid	Total Alkanes	*	260.000		120	440 ug/Kg
Total Tics :				1,520.00				
P2642-11	A4B35	Solid	4-Methylphenol		280.000	J	83	850 ug/Kg
P2642-11	A4B35	Solid	Benzo(a)anthracene		230.000	J	100	440 ug/Kg
P2642-11	A4B35	Solid	Benzo(a)pyrene		160.000	J	110	440 ug/Kg
P2642-11	A4B35	Solid	Benzo(b)fluoranthene		310.000	J	110	440 ug/Kg
P2642-11	A4B35	Solid	Chrysene		260.000	J	120	440 ug/Kg
P2642-11	A4B35	Solid	Fluoranthene		410.000	J	110	440 ug/Kg
P2642-11	A4B35	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	96	440 ug/Kg
P2642-11	A4B35	Solid	Phenanthrene		280.000	J	110	440 ug/Kg
P2642-11	A4B35	Solid	Pyrene		320.000	J	110	440 ug/Kg
Total Svoc :				2,360.00				
Total Concentration:				3,880.00				
Client ID : A4B36								
P2642-12	A4B36	Solid	n-Hexadecanoic acid	*	180.000	J		
P2642-12	A4B36	Solid	Octadecanoic acid, 2-(2-hydroxy	ye	90.000	J		

Hit Summary Sheet SW-846

SDG No.: BM061124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2642-12	A4B36	Solid	Total Alkanes	*	0.000	64	230	ug/Kg
Total Tics :						270.00		
Total Concentration:						270.00		
Client ID : A4B37								
P2642-13	A4B37	Solid	Pentadecanoic acid	*	94.000	J		
P2642-13	A4B37	Solid	Total Alkanes	*	0.000	54	190	ug/Kg
Total Tics :						94.00		
Total Concentration:						94.00		
Client ID : A4BH7								
P2642-14	A4BH7	Solid	4H-Cyclopenta[def]phenanthrene	*	150.000	J		
P2642-14	A4BH7	Solid	n-Hexadecanoic acid	*	380.000	J		
P2642-14	A4BH7	Solid	Oxalic acid, allyl octadecyl ester	*	180.000	J		
P2642-14	A4BH7	Solid	Total Alkanes	*	0.000	82	290	ug/Kg
Total Tics :						710.00		
P2642-14	A4BH7	Solid	Anthracene		100.000	J	73	ug/Kg
P2642-14	A4BH7	Solid	Benzo(a)anthracene		400.000		66	ug/Kg
P2642-14	A4BH7	Solid	Benzo(a)pyrene		300.000		72	ug/Kg
P2642-14	A4BH7	Solid	Benzo(b)fluoranthene		590.000		72	ug/Kg
P2642-14	A4BH7	Solid	Benzo(k)fluoranthene		180.000	J	77	ug/Kg
P2642-14	A4BH7	Solid	Bis(2-ethylhexyl)phthalate		130.000	J	75	ug/Kg
P2642-14	A4BH7	Solid	Chrysene		470.000		77	ug/Kg
P2642-14	A4BH7	Solid	Dibenzo(a,h)anthracene		79.000	J	63	ug/Kg
P2642-14	A4BH7	Solid	Fluoranthene		730.000		75	ug/Kg
P2642-14	A4BH7	Solid	Indeno(1,2,3-cd)pyrene		210.000	J	63	ug/Kg
P2642-14	A4BH7	Solid	Phenanthrene		540.000		75	ug/Kg
P2642-14	A4BH7	Solid	Pyrene		580.000		75	ug/Kg
Total Svoc :						4,309.00		
Total Concentration:						5,019.00		
Client ID : A4BH8								
P2642-15	A4BH8	Solid	1-Isobutoxy-2-ethylhexane	*	140.000	J		
P2642-15	A4BH8	Solid	2,3,3,5,6-Pentachloro-1,1-biphen	*	86.000	J		
P2642-15	A4BH8	Solid	Anthracene, 2-methyl-	*	150.000	J		
P2642-15	A4BH8	Solid	Cyclononasiloxane, octadecameth	*	150.000	J		
P2642-15	A4BH8	Solid	Cyclotrisiloxane, hexamethyl-	*	180.000	J		
P2642-15	A4BH8	Solid	Heptasiloxane, hexadecamethyl-	*	170.000	J		
P2642-15	A4BH8	Solid	Hexanedioic acid, bis(2-ethylhexy	*	450.000	J		
P2642-15	A4BH8	Solid	Hexasiloxane, tetradecamethyl-	*	160.000	J		
P2642-15	A4BH8	Solid	unknown-01	*	99.000	J		
P2642-15	A4BH8	Solid	unknown-02	*	170.000	J		

Hit Summary Sheet SW-846

SDG No.: BM061124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2642-15	A4BH8	Solid	Total Alkanes	*	0.000	60	210	ug/Kg
			Total Tics :		1,755.00			
P2642-15	A4BH8	Solid	Benzo(a)anthracene		69.000	J 48	210	ug/Kg
P2642-15	A4BH8	Solid	Benzo(a)pyrene		68.000	J 52	210	ug/Kg
P2642-15	A4BH8	Solid	Benzo(b)fluoranthene		79.000	J 52	210	ug/Kg
P2642-15	A4BH8	Solid	Chrysene		89.000	J 56	210	ug/Kg
P2642-15	A4BH8	Solid	Fluoranthene		120.000	J 55	210	ug/Kg
P2642-15	A4BH8	Solid	Phenanthrene		150.000	J 55	210	ug/Kg
P2642-15	A4BH8	Solid	Pyrene		140.000	J 55	210	ug/Kg
			Total Svoc :		715.00			
			Total Concentration:		2,470.00			
Client ID : A4B39								
P2642-17	A4B39	Solid	Heptadecyl trifluoroacetate	*	170.000	J		
P2642-17	A4B39	Solid	n-Hexadecanoic acid	*	200.000	J		
P2642-17	A4B39	Solid	Total Alkanes	*	0.000	94	330	ug/Kg
			Total Tics :		370.00			
			Total Concentration:		370.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM053124 SAS No.: BM053124 SDG No.: BM053124
Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____
Calibration Time(s): 09:07 _____

LAB FILE ID:		RRFAL1 = BM045789.D		RRFAL2 = BM045790.D		RRFAL3 = BM045791.D		
		RRFAL4 = BM045792.D		RRFAL5 = BM045793.D		RRFAL6 = BM045794.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.574	0.543	0.639	0.554	0.545		0.571	7.0
Benzaldehyde		0.996	0.567	1.012	0.819	0.602	0.799	26.3
Pyridine		1.104	1.449	1.434	1.431	1.403	1.364	10.7
Hexachloroethane	0.597	0.610	0.728	0.644	0.631		0.642	8.0
Nitrobenzene	0.398	0.427	0.500	0.435	0.428		0.438	8.6
Isophorone	0.685	0.732	0.878	0.793	0.779		0.773	9.4
2-Nitrophenol	0.146	0.160	0.195	0.179	0.184		0.173	11.4
2,4-Dimethylphenol	0.327	0.320	0.404	0.354	0.350		0.351	9.4
Bis(2-Chloroethoxy)methane	0.429	0.449	0.530	0.468	0.471		0.469	8.1
2,4-Dichlorophenol	0.264	0.275	0.339	0.302	0.298		0.296	9.9
Naphthalene	1.023	1.032	1.200	1.047	1.030		1.066	7.0
4-Chloroaniline		0.389	0.445	0.414	0.391	0.368	0.401	7.3
Hexachlorobutadiene	0.195	0.192	0.226	0.199	0.201		0.203	6.7
Phenol		1.653	2.020	1.721	1.731	1.686	1.762	8.4
Caprolactam		0.066	0.085	0.092	0.086	0.087	0.083	12.1
4-Chloro-3-methylphenol	0.276	0.302	0.362	0.338	0.326		0.321	10.3
1-Methylnaphthalene	0.670	0.688	0.794	0.701	0.677		0.706	7.2
2-Methylnaphthalene	0.673	0.686	0.789	0.700	0.684		0.706	6.7
Hexachlorocyclopentadiene		0.307	0.380	0.355	0.390	0.386	0.364	9.4
2,4,6-Trichlorophenol	0.277	0.309	0.390	0.372	0.394		0.348	15.1
2,4,5-Trichlorophenol	0.312	0.346	0.419	0.400	0.415		0.378	12.5
1,1-Biphenyl	1.400	1.428	1.663	1.455	1.474		1.484	7.0
2-Chloronaphthalene	1.102	1.123	1.295	1.137	1.157		1.163	6.6
2-Nitroaniline	0.319	0.358	0.443	0.434	0.431		0.397	14.0
Bis(2-Chloroethyl)ether		1.385	1.699	1.440	1.457	1.374	1.471	9.0
Dimethylphthalate	1.301	1.334	1.547	1.457	1.390		1.406	7.0
2,6-Dinitrotoluene	0.223	0.240	0.298	0.295	0.297		0.270	13.3
Acenaphthylene	1.733	1.811	2.080	1.859	1.822		1.861	7.0
3-Nitroaniline		0.217	0.221	0.285	0.262	0.255	0.248	11.6
Acenaphthene	1.166	1.208	1.385	1.237	1.213		1.242	6.8
2,4-Dinitrophenol		0.098	0.090	0.119	0.139	0.171	0.123	26.5
4-Nitrophenol		0.205	0.263	0.271	0.248	0.246	0.247	10.4
Dibenzofuran	1.611	1.652	1.865	1.663	1.582		1.675	6.6
2,4-Dinitrotoluene	0.296	0.339	0.418	0.424	0.395		0.374	14.7
Diethylphthalate	1.250	1.318	1.566	1.500	1.406		1.408	9.2
2-Chlorophenol	1.219	1.284	1.534	1.331	1.318		1.337	8.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM053124 SAS No.: BM053124 SDG No.: BM053124

Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____

Calibration Time(s): 09:07 _____

LAB FILE ID:		RRFAL1 = BM045789.D		RRFAL2 = BM045790.D		RRFAL3 = BM045791.D		
		RRFAL4 = BM045792.D		RRFAL5 = BM045793.D		RRFAL6 = BM045794.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.288	1.312	1.512	1.371	1.264		1.349	7.4
4-Chlorophenyl-phenylether	0.644	0.651	0.748	0.673	0.632		0.670	6.9
4-Nitroaniline		0.194	0.168	0.253	0.212	0.205	0.206	15.0
4,6-Dinitro-2-methylphenol		0.086	0.117	0.116	0.119	0.122	0.112	13.0
N-Nitrosodiphenylamine	0.534	0.554	0.643	0.551	0.551		0.567	7.6
1,2,4,5-Tetrachlorobenzene	0.559	0.575	0.672	0.585	0.605		0.599	7.4
4-Bromophenyl-phenylether	0.195	0.203	0.234	0.203	0.207		0.209	7.2
Hexachlorobenzene	0.216	0.224	0.261	0.225	0.228		0.231	7.5
Atrazine		0.173	0.178	0.186	0.167	0.155	0.172	6.9
Pentachlorophenol		0.081	0.111	0.123	0.131	0.139	0.117	19.5
2-Methylphenol		1.160	1.446	1.281	1.305	1.259	1.290	8.0
Phenanthrene	0.996	1.024	1.177	1.051	1.021		1.054	6.8
Pentachlorobenzene	0.282	0.286	0.328	0.272	0.282		0.290	7.6
Anthracene	1.000	1.023	1.194	1.040	1.006		1.053	7.6
1,2,3,4-Tetrachlorobenzene	0.292	0.302	0.346	0.288	0.322		0.310	7.7
Carbazole		0.848	1.013	0.929	0.868	0.831	0.898	8.3
Di-n-butylphthalate	0.980	1.062	1.337	1.285	1.243		1.181	12.9
Fluoranthene	1.412	1.472	1.666	1.455	1.535		1.508	6.5
Pyrene	1.477	1.547	1.727	1.479	1.516		1.549	6.7
Butylbenzylphthalate	0.490	0.547	0.696	0.692	0.731		0.631	16.8
3,3-Dichlorobenzidine		0.343	0.407	0.439	0.412	0.375	0.395	9.4
2,2-oxybis (1-Chloropropane)		2.861	3.369	2.871	2.782	2.602	2.897	9.8
Benzo (a) anthracene	1.284	1.312	1.523	1.393	1.393		1.381	6.8
Chrysene	1.204	1.234	1.411	1.270	1.269		1.278	6.2
Bis (2-ethylhexyl) phthalate	0.718	0.815	1.050	1.050	1.057		0.938	17.1
Di-n-octyl phthalate		1.251	1.620	1.587	1.666	1.525	1.530	10.7
Benzo (b) fluoranthene	1.121	1.175	1.363	1.227	1.259		1.229	7.4
Benzo (k) fluoranthene	1.119	1.142	1.319	1.208	1.214		1.201	6.5
Benzo (a) pyrene	0.970	0.995	1.201	1.110	1.123		1.080	8.9
Indeno (1,2,3-cd) pyrene	1.063	1.075	1.291	1.216	1.252		1.179	8.8
Dibenzo (a,h) anthracene	0.832	0.856	1.027	0.961	0.989		0.933	9.1
Benzo (g,h,i) perylene	0.940	0.974	1.141	1.064	1.076		1.039	7.8
Acetophenone		2.121	2.530	2.143	2.055	1.847	2.139	11.6
2,3,4,6-Tetrachlorophenol	0.214	0.254	0.323	0.321	0.316		0.286	17.3
1,4-Dioxane-d8	0.527	0.471	0.574	0.511	0.496		0.516	7.4
Pyridine-d5		1.045	1.440	1.344	1.381	1.431	1.328	12.3

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM053124 SAS No.: BM053124 SDG No.: BM053124
Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____
Calibration Time(s): 09:07 _____

LAB FILE ID:		RRFAL1 = BM045789.D			RRFAL2 = BM045790.D		RRFAL3 = BM045791.D	
		RRFAL4 = BM045792.D			RRFAL5 = BM045793.D		RRFAL6 = BM045794.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.567	1.907	1.667	1.688	1.666	1.699	7.4
Bis-(2-Chloroethyl)ether-d8		1.174	1.415	1.200	1.191	1.120	1.220	9.3
2-Chlorophenol-d4	1.088	1.179	1.476	1.291	1.313		1.269	11.6
4-Methylphenol-d8		1.164	1.450	1.275	1.291	1.239	1.284	8.2
Nitrobenzene-d5	0.142	0.147	0.172	0.159	0.162		0.156	7.7
2-Nitrophenol-d4	0.127	0.139	0.182	0.166	0.177		0.158	15.3
2,4-Dichlorophenol-d3	0.254	0.276	0.336	0.307	0.311		0.297	10.7
4-Chloroaniline-d4		0.393	0.449	0.423	0.403	0.386	0.411	6.2
4-Methylphenol		1.271	1.572	1.344	1.313	1.176	1.335	11.0
Dimethylphthalate-d6	1.269	1.304	1.531	1.427	1.391		1.385	7.5
Acenaphthylene-d8	1.443	1.520	1.797	1.642	1.637		1.608	8.4
4-Nitrophenol-d4		0.244	0.315	0.324	0.307	0.304	0.299	10.5
Fluorene-d10	1.097	1.150	1.306	1.203	1.150		1.181	6.7
4,6-Dinitro-2-methylphenol-		0.073	0.101	0.107	0.113	0.117	0.102	17.2
Anthracene-d10	0.798	0.832	0.978	0.880	0.859		0.869	7.8
Pyrene-d10	1.158	1.201	1.375	1.219	1.266		1.244	6.6
Benzo(a)pyrene-d12	0.797	0.866	1.049	0.975	0.988		0.935	10.9
N-Nitroso-di-n-propylamine	1.078	1.152	1.369	1.183	1.129		1.182	9.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG NO.: BM061124

EPA Sample No.: SSTD020036 Date Analyzed: Jun 11 2024 12:00AM

Lab File ID: BM045791.D Time Analyzed: 15:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	224754	7.469	951354	10.23	577583	14.11
	UPPER LIMIT	449508	7.969	1902708	10.734	1155166	14.61
	LOWER LIMIT	112377	6.969	475677	9.734	288791.5	13.61
	EPA SAMPLE NO.						
01	SBLK248	85617 *	7.44	372814 *	10.21	254923 *	14.09
02	A4BH0	91054 *	7.44	399674 *	10.21	263029 *	14.09
03	A4B32	80228 *	7.44	357236 *	10.21	241676 *	14.09
04	A4B36	97716 *	7.44	439646 *	10.21	293267	14.09
05	A4B37	91112 *	7.44	421080 *	10.21	278279 *	14.09
06	A4BH7	80365 *	7.44	363200 *	10.21	241605 *	14.09
07	A4BH8	104927 *	7.44	454139 *	10.21	295761	14.09
08	A4BH2	136719	7.43	603134	10.20	397268	14.09
09	A4BH6	110538 *	7.44	496709	10.20	325104	14.09
10	A4B39	100859 *	7.44	442634 *	10.20	294007	14.09
11	A4BH3	94986 *	7.44	421076 *	10.21	281393 *	14.09
12	A4B35	115125	7.43	516407	10.20	341033	14.08
13	SLCS248	112919	7.43	520837	10.20	354086	14.08

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG NO.: BM061124

EPA Sample No.: SSTD020116 Date Analyzed: Jun 11 2024 12:00AM

Lab File ID: BM045976.D Time Analyzed: 15:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	100378	7.44	449454	10.20	316720	14.08
UPPER LIMIT	200756	7.94	898908	10.704	633440	14.58
LOWER LIMIT	50189	6.94	224727	9.704	158360	13.58
EPA SAMPLE NO.						
01 SBLK248	85617	7.44	372814	10.21	254923	14.09
02 A4BH0	91054	7.44	399674	10.21	263029	14.09
03 A4B32	80228	7.44	357236	10.21	241676	14.09
04 A4B36	97716	7.44	439646	10.21	293267	14.09
05 A4B37	91112	7.44	421080	10.21	278279	14.09
06 A4BH7	80365	7.44	363200	10.21	241605	14.09
07 A4BH8	104927	7.44	454139	10.21	295761	14.09
08 A4BH2	136719	7.43	603134	10.20	397268	14.09
09 A4BH6	110538	7.44	496709	10.20	325104	14.09
10 A4B39	100859	7.44	442634	10.20	294007	14.09
11 A4BH3	94986	7.44	421076	10.21	281393	14.09
12 A4B35	115125	7.43	516407	10.20	341033	14.08
13 SLCS248	112919	7.43	520837	10.20	354086	14.08

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG NO.: BM061124

EPA Sample No.: SSTD020036 Date Analyzed: Jun 11 2024 12:00AM

Lab File ID: BM045791.D Time Analyzed: 15:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.08015e+04	16.857	828447	21.068	872879	23.791
	UPPER LIMIT	2160300	17.357	1656894	21.568	1745758	24.291
	LOWER LIMIT	540075	16.357	414223.5	20.568	436439.5	23.291
	EPA SAMPLE NO.						
01	SBLK248	559486	16.83	580146	21.04	677290	23.75
02	A4BH0	588039	16.83	682732	21.04	822496	23.74
03	A4B32	534519 *	16.83	635126	21.04	765442	23.74
04	A4B36	647824	16.83	717114	21.04	852703	23.74
05	A4B37	610868	16.83	680144	21.04	815586	23.74
06	A4BH7	538038 *	16.83	652065	21.04	762274	23.74
07	A4BH8	642604	16.83	701984	21.04	804491	23.74
08	A4BH2	855404	16.83	879004	21.04	929716	23.74
09	A4BH6	711124	16.83	751849	21.05	813289	23.74
10	A4B39	644731	16.83	687063	21.05	765744	23.74
11	A4BH3	618724	16.83	655266	21.04	740809	23.74
12	A4B35	756732	16.83	839681	21.04	919935	23.74
13	SLCS248	768938	16.83	782336	21.04	829579	23.74

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM061124 SAS No.: BM061124 SDG NO.: BM061124

EPA Sample No.: SSTD020116 Date Analyzed: Jun 11 2024 12:00AM

Lab File ID: BM045976.D Time Analyzed: 15:43

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	695584	16.827	768951	21.045	898644	23.75
	UPPER LIMIT	1391168	17.327	1537902	21.545	1797288	24.25
	LOWER LIMIT	347792	16.327	384475.5	20.545	449322	23.25
	EPA SAMPLE NO.						
01	SBLK248	559486	16.83	580146	21.04	677290	23.75
02	A4BH0	588039	16.83	682732	21.04	822496	23.74
03	A4B32	534519	16.83	635126	21.04	765442	23.74
04	A4B36	647824	16.83	717114	21.04	852703	23.74
05	A4B37	610868	16.83	680144	21.04	815586	23.74
06	A4BH7	538038	16.83	652065	21.04	762274	23.74
07	A4BH8	642604	16.83	701984	21.04	804491	23.74
08	A4BH2	855404	16.83	879004	21.04	929716	23.74
09	A4BH6	711124	16.83	751849	21.05	813289	23.74
10	A4B39	644731	16.83	687063	21.05	765744	23.74
11	A4BH3	618724	16.83	655266	21.04	740809	23.74
12	A4B35	756732	16.83	839681	21.04	919935	23.74
13	SLCS248	768938	16.83	782336	21.04	829579	23.74

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161248BS	1,4-Dioxane	530	390	ug/Kg	74				0	0		
	Benzaldehyde	1300	1600	ug/Kg	123				0	0		
	Pyridine	1300	1200	ug/Kg	92				0	0		
	Phenol	1300	1300	ug/Kg	100				0	0		
	Bis(2-chloroethyl)ether	1300	1100	ug/Kg	85				0	0		
	2-Chlorophenol	1300	1200	ug/Kg	92				0	0		
	2-Methylphenol	1300	1300	ug/Kg	100				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1300	ug/Kg	100				0	0		
	Acetophenone	1300	1300	ug/Kg	100				0	0		
	4-Methylphenol	1300	1400	ug/Kg	108				0	0		
	N-Nitroso-di-n-propylamine	1300	1300	ug/Kg	100				0	0		
	Hexachloroethane	1300	1100	ug/Kg	85				0	0		
	Nitrobenzene	1300	1200	ug/Kg	92				0	0		
	Isophorone	1300	1200	ug/Kg	92				0	0		
	2-Nitrophenol	1300	1200	ug/Kg	92				0	0		
	2,4-Dimethylphenol	1300	1100	ug/Kg	85				0	0		
	Bis(2-chloroethoxy)methane	1300	1100	ug/Kg	85				0	0		
	2,4-Dichlorophenol	1300	1200	ug/Kg	92				0	0		
	Naphthalene	1300	1100	ug/Kg	85				0	0		
	4-Chloroaniline	1300	1100	ug/Kg	85				0	0		
	Hexachlorobutadiene	1300	1000	ug/Kg	77				0	0		
	Caprolactam	1300	1600	ug/Kg	123				0	0		
	4-Chloro-3-methylphenol	1300	1300	ug/Kg	100				0	0		
	1-Methylnaphthalene	1300	1200	ug/Kg	92				0	0		
	2-Methylnaphthalene	1300	1200	ug/Kg	92				0	0		
	Hexachlorocyclopentadiene	1300	730	ug/Kg	56				0	0		
	2,4,6-Trichlorophenol	1300	1200	ug/Kg	92				0	0		
	2,4,5-Trichlorophenol	1300	1200	ug/Kg	92				0	0		
	1,1'-Biphenyl	1300	1100	ug/Kg	85				0	0		
	2-Chloronaphthalene	1300	1100	ug/Kg	85				0	0		
	2-Nitroaniline	1300	1400	ug/Kg	108				0	0		
	Dimethylphthalate	1300	1100	ug/Kg	85				0	0		
	2,6-Dinitrotoluene	1300	1200	ug/Kg	92				0	0		
	Acenaphthylene	1300	1100	ug/Kg	85				0	0		
	3-Nitroaniline	1300	1400	ug/Kg	108				0	0		
	Acenaphthene	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrophenol	1300	1300	ug/Kg	100				0	0		
	4-Nitrophenol	1300	1600	ug/Kg	123				0	0		
	Dibenzofuran	1300	1200	ug/Kg	92				0	0		
	2,4-Dinitrotoluene	1300	1400	ug/Kg	108				0	0		
	Diethylphthalate	1300	1200	ug/Kg	92				0	0		
	Fluorene	1300	1200	ug/Kg	92				0	0		
	4-Chlorophenyl-phenylether	1300	1200	ug/Kg	92				0	0		
	4-Nitroaniline	1300	1800	ug/Kg	138				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161248BS	4,6-Dinitro-2-methylphenol	1300	1100	ug/Kg	85				0	0		
	N-Nitrosodiphenylamine	1300	1100	ug/Kg	85				0	0		
	1,2,4,5-Tetrachlorobenzene	1300	1100	ug/Kg	85				0	0		
	4-Bromophenyl-phenylether	1300	1000	ug/Kg	77				0	0		
	Hexachlorobenzene	1300	1100	ug/Kg	85				0	0		
	Atrazine	1300	1100	ug/Kg	85				0	0		
	Pentachlorophenol	1300	1300	ug/Kg	100				0	0		
	Phenanthrene	1300	1200	ug/Kg	92				0	0		
	Pentachlorobenzene	1300	1000	ug/Kg	77				0	0		
	Anthracene	1300	1100	ug/Kg	85				0	0		
	1,2,3,4-Tetrachlorobenzene	1300	940	ug/Kg	72				0	0		
	Carbazole	1300	1300	ug/Kg	100				0	0		
	Di-n-butylphthalate	1300	1200	ug/Kg	92				0	0		
	Fluoranthene	1300	960	ug/Kg	74				0	0		
	Pyrene	1300	1000	ug/Kg	77				0	0		
	Butylbenzylphthalate	1300	1000	ug/Kg	77				0	0		
	3,3'-Dichlorobenzidine	1300	1200	ug/Kg	92				0	0		
	Benzo(a)anthracene	1300	1100	ug/Kg	85				0	0		
	Chrysene	1300	1100	ug/Kg	85				0	0		
	Bis(2-ethylhexyl)phthalate	1300	1100	ug/Kg	85				0	0		
	Di-n-octylphthalate	1300	1100	ug/Kg	85				0	0		
	Benzo(b)fluoranthene	1300	1200	ug/Kg	92				0	0		
	Benzo(k)fluoranthene	1300	1200	ug/Kg	92				0	0		
	Benzo(a)pyrene	1300	1100	ug/Kg	85				0	0		
	Indeno(1,2,3-cd)pyrene	1300	1200	ug/Kg	92				0	0		
	Dibenzo(a,h)anthracene	1300	1200	ug/Kg	92				0	0		
	Benzo(g,h,i)perylene	1300	1000	ug/Kg	77				0	0		
	2,3,4,6-Tetrachlorophenol	1300	1400	ug/Kg	108				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK248

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM061124

SAS No.: BM061124 SDG NO.: BM061124

Lab File ID: BM045977.D

Lab Sample ID: PB161248BL

Instrument ID: BNA_M

Date Extracted: 05/31/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/11/2024

Level: (low/med) LOW

Time Analyzed: 15:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4BH0	P2642-05	BM045978.D	06/11/2024
A4B32	P2642-10	BM045979.D	06/11/2024
A4B36	P2642-12	BM045980.D	06/11/2024
A4B37	P2642-13	BM045981.D	06/11/2024
A4BH7	P2642-14	BM045982.D	06/11/2024
A4BH8	P2642-15	BM045983.D	06/11/2024
A4BH2	P2642-07	BM045984.D	06/11/2024
A4BH6	P2642-09	BM045985.D	06/11/2024
A4B39	P2642-17	BM045986.D	06/11/2024
A4BH3	P2642-08	BM045987.D	06/11/2024
A4B35	P2642-11	BM045988.D	06/11/2024
PB161248BS	PB161248BS	BM045989.D	06/11/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM061124**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2642-05	A4BH0	BM045978.D	1,4-Dioxane-d8	8	4.76	60		15	120
			Pyridine-d5	40	20.96	52		20	120
			Phenol-d5	40	26.51	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.66	67		10	150
			2-Chlorophenol-d4	40	26.51	66		15	120
			4-Methylphenol-d8	40	29.68	74		10	140
			Nitrobenzene-d5	40	25.74	64		10	135
			2-Nitrophenol-d4	40	26.21	66		10	120
			2,4-Dichlorophenol-d3	40	26.96	67		10	140
			4-Chloroaniline-d4	40	27.52	69		1	145
			Dimethylphthalate-d6	40	31.46	79		10	145
			Acenaphthylene-d8	40	29.75	74		15	120
			4-Nitrophenol-d4	40	22.48	56		10	150
			Fluorene-d10	40	31.62	79		20	140
			4,6-Dinitro-2-methylphenol-d2	40	22.12	55		10	130
			Anthracene-d10	40	31.00	78		10	150
			Pyrene-d10	40	24.38	61		10	130
			Benzo(a)pyrene-d12	40	31.37	78		10	140
P2642-07	A4BH2	BM045984.D	1,4-Dioxane-d8	8	4.17	52		15	120
			Pyridine-d5	40	21.61	54		20	120
			Phenol-d5	40	26.74	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.03	68		10	150
			2-Chlorophenol-d4	40	27.94	70		15	120
			4-Methylphenol-d8	40	29.09	73		10	140
			Nitrobenzene-d5	40	26.68	67		10	135
			2-Nitrophenol-d4	40	26.30	66		10	120
			2,4-Dichlorophenol-d3	40	26.31	66		10	140
			4-Chloroaniline-d4	40	27.45	69		1	145
			Dimethylphthalate-d6	40	28.86	72		10	145
			Acenaphthylene-d8	40	28.31	71		15	120
			4-Nitrophenol-d4	40	21.18	53		10	150
			Fluorene-d10	40	29.28	73		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.25	48		10	130
			Anthracene-d10	40	29.08	73		10	150
			Pyrene-d10	40	24.88	62		10	130
			Benzo(a)pyrene-d12	40	30.31	76		10	140
P2642-08	A4BH3	BM045987.D	1,4-Dioxane-d8	8	3.02	38		15	120
			Pyridine-d5	40	8.88	22		20	120
			Phenol-d5	40	19.98	50		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.43	51		10	150
			2-Chlorophenol-d4	40	20.24	51		15	120
			4-Methylphenol-d8	40	21.84	55		10	140
			Nitrobenzene-d5	40	19.23	48		10	135
			2-Nitrophenol-d4	40	18.85	47		10	120
			2,4-Dichlorophenol-d3	40	20.09	50		10	140
			4-Chloroaniline-d4	40	19.87	50		1	145
			Dimethylphthalate-d6	40	22.81	57		10	145
			Acenaphthylene-d8	40	22.09	55		15	120
			4-Nitrophenol-d4	40	11.92	30		10	150

Surrogate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2642-08	A4BH3	BM045987.D	Fluorene-d10	40	23.64	59		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.69	32		10	130
			Anthracene-d10	40	23.17	58		10	150
			Pyrene-d10	40	19.75	49		10	130
			Benzo(a)pyrene-d12	40	24.25	61		10	140
P2642-09	A4BH6	BM045985.D	Pyridine-d5	40	15.90	40		20	120
			1,4-Dioxane-d8	8	3.62	45		15	120
			Phenol-d5	40	22.76	57		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.01	58		10	150
			2-Chlorophenol-d4	40	23.32	58		15	120
			4-Methylphenol-d8	40	25.22	63		10	140
			Nitrobenzene-d5	40	21.66	54		10	135
			2-Nitrophenol-d4	40	21.81	55		10	120
			2,4-Dichlorophenol-d3	40	22.48	56		10	140
			4-Chloroaniline-d4	40	21.44	54		1	145
			Dimethylphthalate-d6	40	24.41	61		10	145
			Acenaphthylene-d8	40	24.19	60		15	120
			4-Nitrophenol-d4	40	16.28	41		10	150
			Fluorene-d10	40	25.48	64		20	140
			4,6-Dinitro-2-methylphenol-d2	40	15.61	39		10	130
			Anthracene-d10	40	24.75	62		10	150
			Pyrene-d10	40	20.79	52		10	130
			Benzo(a)pyrene-d12	40	25.72	64		10	140
			1,4-Dioxane-d8	8	5.03	63		15	120
			Pyridine-d5	40	6.32	16	*	20	120
P2642-10	A4B32	BM045979.D	Phenol-d5	40	30.85	77		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.33	83		10	150
			2-Chlorophenol-d4	40	32.10	80		15	120
			4-Methylphenol-d8	40	32.51	81		10	140
			Nitrobenzene-d5	40	31.54	79		10	135
			2-Nitrophenol-d4	40	30.82	77		10	120
			2,4-Dichlorophenol-d3	40	31.64	79		10	140
			4-Chloroaniline-d4	40	23.84	60		1	145
			Dimethylphthalate-d6	40	33.87	85		10	145
			Acenaphthylene-d8	40	33.26	83		15	120
			4-Nitrophenol-d4	40	18.88	47		10	150
			Fluorene-d10	40	34.79	87		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.17	60		10	130
			Anthracene-d10	40	34.40	86		10	150
			Pyrene-d10	40	25.06	63		10	130
			Benzo(a)pyrene-d12	40	26.62	67		10	140
			1,4-Dioxane-d8	8	4.79	60		15	120
			Pyridine-d5	40	10.68	27		20	120
			Phenol-d5	40	33.23	83		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.25	83		10	150
P2642-11	A4B35	BM045988.D	2-Chlorophenol-d4	40	33.93	85		15	120
			4-Methylphenol-d8	40	34.84	87		10	140
			Nitrobenzene-d5	40	31.63	79		10	135
			2-Nitrophenol-d4	40	32.89	82		10	120

Surrogate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2642-11	A4B35	BM045988.D	2,4-Dichlorophenol-d3	40	33.04	83		10	140
			4-Chloroaniline-d4	40	28.18	70		1	145
			Dimethylphthalate-d6	40	34.85	87		10	145
			Acenaphthylene-d8	40	34.36	86		15	120
			4-Nitrophenol-d4	40	25.76	64		10	150
			Fluorene-d10	40	35.76	89		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.14	60		10	130
			Anthracene-d10	40	34.45	86		10	150
			Pyrene-d10	40	27.76	69		10	130
			Benzo(a)pyrene-d12	40	28.70	72		10	140
P2642-12	A4B36	BM045980.D	1,4-Dioxane-d8	8	3.18	40		15	120
			Pyridine-d5	40	13.05	33		20	120
			Phenol-d5	40	19.28	48		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.57	49		10	150
			2-Chlorophenol-d4	40	19.77	49		15	120
			4-Methylphenol-d8	40	21.54	54		10	140
			Nitrobenzene-d5	40	18.38	46		10	135
			2-Nitrophenol-d4	40	19.09	48		10	120
			2,4-Dichlorophenol-d3	40	19.08	48		10	140
			4-Chloroaniline-d4	40	20.39	51		1	145
			Dimethylphthalate-d6	40	22.92	57		10	145
			Acenaphthylene-d8	40	21.90	55		15	120
			4-Nitrophenol-d4	40	14.75	37		10	150
			Fluorene-d10	40	23.19	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.38	36		10	130
			Anthracene-d10	40	22.37	56		10	150
			Pyrene-d10	40	18.58	46		10	130
			Benzo(a)pyrene-d12	40	23.09	58		10	140
P2642-13	A4B37	BM045981.D	1,4-Dioxane-d8	8	3.56	44		15	120
			Pyridine-d5	40	11.26	28		20	120
			Phenol-d5	40	18.64	47		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.21	48		10	150
			2-Chlorophenol-d4	40	18.83	47		15	120
			4-Methylphenol-d8	40	20.30	51		10	140
			Nitrobenzene-d5	40	17.01	43		10	135
			2-Nitrophenol-d4	40	16.93	42		10	120
			2,4-Dichlorophenol-d3	40	17.10	43		10	140
			4-Chloroaniline-d4	40	18.18	45		1	145
			Dimethylphthalate-d6	40	20.41	51		10	145
			Acenaphthylene-d8	40	19.57	49		15	120
			4-Nitrophenol-d4	40	12.86	32		10	150
			Fluorene-d10	40	20.82	52		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.37	31		10	130
			Anthracene-d10	40	20.55	51		10	150
			Pyrene-d10	40	16.75	42		10	130
			Benzo(a)pyrene-d12	40	21.07	53		10	140
P2642-14	A4BH7	BM045982.D	1,4-Dioxane-d8	8	4.53	57		15	120
			Pyridine-d5	40	8.21	21		20	120
			Phenol-d5	40	31.64	79		10	130

Surrogate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2642-14	A4BH7	BM045982.D	Bis(2-Chloroethyl)ether-d8	40	31.15	78		10	150
			2-Chlorophenol-d4	40	31.83	80		15	120
			4-Methylphenol-d8	40	33.87	85		10	140
			Nitrobenzene-d5	40	29.47	74		10	135
			2-Nitrophenol-d4	40	29.29	73		10	120
			2,4-Dichlorophenol-d3	40	31.27	78		10	140
			4-Chloroaniline-d4	40	27.18	68		1	145
			Dimethylphthalate-d6	40	33.85	85		10	145
			Acenaphthylene-d8	40	32.69	82		15	120
			4-Nitrophenol-d4	40	23.62	59		10	150
			Fluorene-d10	40	35.19	88		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.14	60		10	130
			Anthracene-d10	40	34.33	86		10	150
			Pyrene-d10	40	26.18	65		10	130
			Benzo(a)pyrene-d12	40	28.64	72		10	140
P2642-15	A4BH8	BM045983.D	1,4-Dioxane-d8	8	4.08	51		15	120
			Pyridine-d5	40	14.90	37		20	120
			Phenol-d5	40	23.85	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.40	61		10	150
			2-Chlorophenol-d4	40	24.75	62		15	120
			4-Methylphenol-d8	40	26.09	65		10	140
			Nitrobenzene-d5	40	24.24	61		10	135
			2-Nitrophenol-d4	40	24.20	60		10	120
			2,4-Dichlorophenol-d3	40	24.39	61		10	140
			4-Chloroaniline-d4	40	24.24	61		1	145
			Dimethylphthalate-d6	40	27.06	68		10	145
			Acenaphthylene-d8	40	26.08	65		15	120
			4-Nitrophenol-d4	40	18.65	47		10	150
			Fluorene-d10	40	27.26	68		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.03	43		10	130
			Anthracene-d10	40	27.19	68		10	150
			Pyrene-d10	40	22.69	57		10	130
P2642-17	A4B39	BM045986.D	Benzo(a)pyrene-d12	40	28.21	71		10	140
			Pyridine-d5	40	17.87	45		20	120
			1,4-Dioxane-d8	8	4.77	60		15	120
			Phenol-d5	40	25.25	63		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.84	65		10	150
			2-Chlorophenol-d4	40	26.07	65		15	120
			4-Methylphenol-d8	40	28.18	70		10	140
			Nitrobenzene-d5	40	25.49	64		10	135
			2-Nitrophenol-d4	40	25.56	64		10	120
			2,4-Dichlorophenol-d3	40	25.63	64		10	140
			4-Chloroaniline-d4	40	25.06	63		1	145
			Dimethylphthalate-d6	40	28.07	70		10	145
			Acenaphthylene-d8	40	27.57	69		15	120
			4-Nitrophenol-d4	40	18.18	45		10	150
			Fluorene-d10	40	28.86	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.04	48		10	130
			Anthracene-d10	40	28.06	70		10	150

Surrogate Summary

SW-846

SDG No.: BM061124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2642-17	A4B39	BM045986.D	Pyrene-d10	40	23.74	59		10	130
			Benzo(a)pyrene-d12	40	29.46	74		10	140
PB161248BL	PB161248BL	BM045977.D	Pyridine-d5	40	29.82	75		20	120
			1,4-Dioxane-d8	8	6.72	84		15	120
			Phenol-d5	40	33.29	83		10	130
			Bis(2-Chloroethyl)ether-d8	40	36.21	91		10	150
			2-Chlorophenol-d4	40	35.06	88		15	120
			4-Methylphenol-d8	40	34.84	87		10	140
			Nitrobenzene-d5	40	33.14	83		10	135
			2-Nitrophenol-d4	40	32.83	82		10	120
			2,4-Dichlorophenol-d3	40	30.64	77		10	140
			4-Chloroaniline-d4	40	35.22	88		1	145
			Dimethylphthalate-d6	40	37.41	94		10	145
			Acenaphthylene-d8	40	34.08	85		15	120
			4-Nitrophenol-d4	40	25.51	64		10	150
			Fluorene-d10	40	35.47	89		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.83	67		10	130
			Anthracene-d10	40	36.10	90		10	150
			Pyrene-d10	40	29.44	74		10	130
			Benzo(a)pyrene-d12	40	36.33	91		10	140
PB161248BS	PB161248BS	BM045989.D	1,4-Dioxane-d8	8	5.42	68		15	120
			Pyridine-d5	40	32.33	81		20	120
			Phenol-d5	40	37.30	93		10	130
			Bis(2-Chloroethyl)ether-d8	40	34.87	87		10	150
			2-Chlorophenol-d4	40	37.59	94		15	120
			4-Methylphenol-d8	40	39.07	98		10	140
			Nitrobenzene-d5	40	34.71	87		10	135
			2-Nitrophenol-d4	40	34.94	87		10	120
			2,4-Dichlorophenol-d3	40	37.07	93		10	140
			4-Chloroaniline-d4	40	35.63	89		1	145
			Dimethylphthalate-d6	40	35.04	88		10	145
			Acenaphthylene-d8	40	34.44	86		15	120
			4-Nitrophenol-d4	40	40.78	102		10	150
			Fluorene-d10	40	35.10	88		20	140
			4,6-Dinitro-2-methylphenol-d2	40	34.70	87		10	130
			Anthracene-d10	40	34.72	87		10	150
			Pyrene-d10	40	29.27	73		10	130
			Benzo(a)pyrene-d12	40	36.21	91		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM061124

Lab Code: CHEM

SAS No.: BM061124 SDG NO.: BM061124

Lab File ID: BM045975.D

DFTPP Injection Date: 06/11/2024

Instrument ID: BNA_M

DFTPP Injection Time: 14:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	74.3
68	Less than 2.0% of mass 69	1 (1.7) 1
69	Mass 69 relative abundance	58.6
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	55.2
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	57.5
443	15.0 - 24.0% of mass 442	11.3 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020116	SSTDCCC020	BM045976.D	06/11/2024	15:04
SBLK248	PB161248BL	BM045977.D	06/11/2024	15:43
A4BH0	P2642-05	BM045978.D	06/11/2024	16:23
A4B32	P2642-10	BM045979.D	06/11/2024	17:02
A4B36	P2642-12	BM045980.D	06/11/2024	17:41
A4B37	P2642-13	BM045981.D	06/11/2024	18:21
A4BH7	P2642-14	BM045982.D	06/11/2024	19:00
A4BH8	P2642-15	BM045983.D	06/11/2024	19:39
A4BH2	P2642-07	BM045984.D	06/11/2024	20:19
A4BH6	P2642-09	BM045985.D	06/11/2024	20:58
A4B39	P2642-17	BM045986.D	06/11/2024	21:37
A4BH3	P2642-08	BM045987.D	06/11/2024	22:17
A4B35	P2642-11	BM045988.D	06/11/2024	22:56
SLCS248	PB161248BS	BM045989.D	06/11/2024	23:36
SSTD020117	SSTDCCC020EC	BM045990.D	06/12/2024	00:54